

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



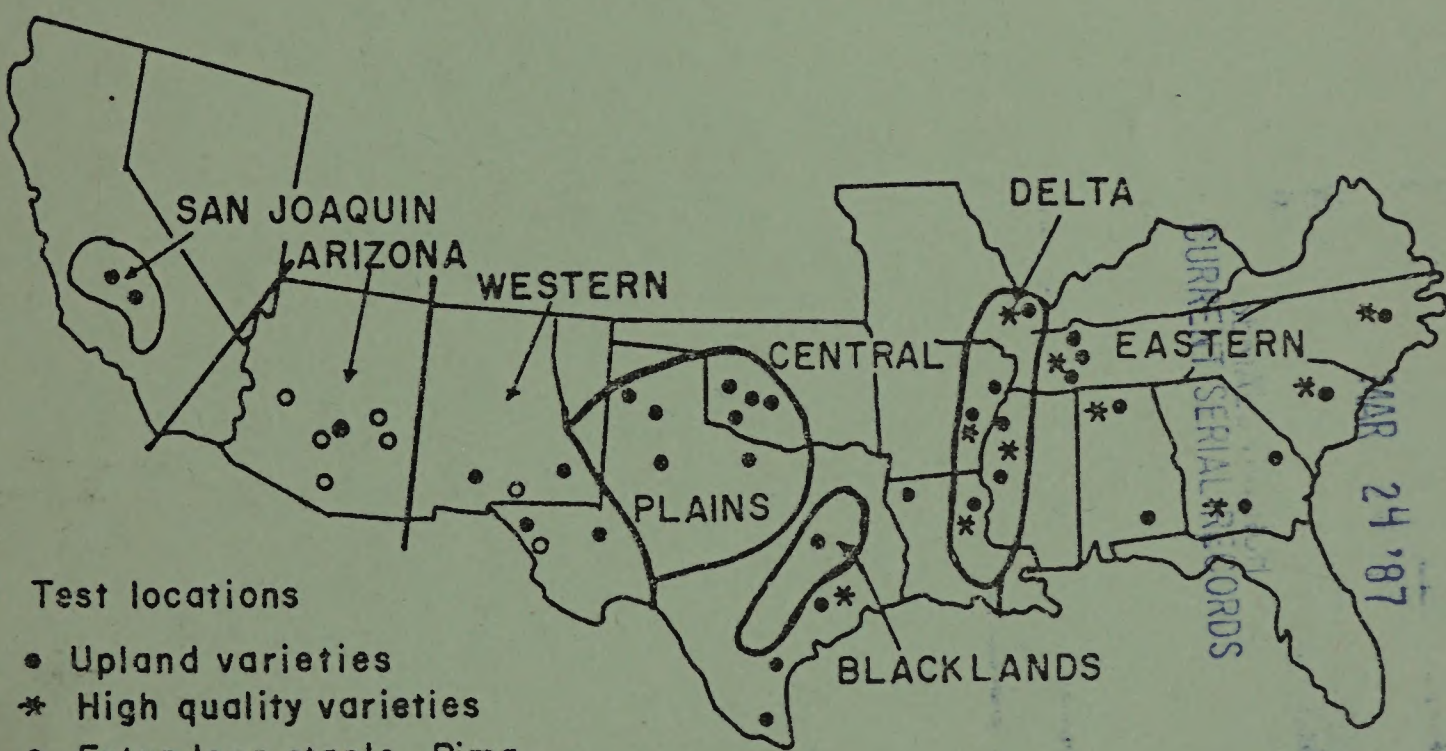


855245  
.R43

5

# 1984 REGIONAL COTTON VARIETY TESTS

Yield, Boll, Seed, Spinning, & Fiber Data



USDA  
NAT'L AGRIC LIBRARY  
RECEIVED  
MAR 24 '87







## REGIONAL COTTON VARIETY TESTS, 1984

### Yield, Boll, Seed, Spinning, and Fiber Data

Compiled by R. J. Miravalle, geneticist, and J. C. Donnelly, statistical assistant, Cotton Quality Research Unit, Southern Regional Research Center, Mid-South Area, Agricultural Research Service; and S. M. Buco, assistant professor, and Kai-Yin Chung, research associate, Department of Experimental Statistics, Louisiana State University; in cooperation with the agricultural experiment stations of Alabama, Arizona, Arkansas, California, Georgia, Louisiana, Mississippi, Missouri, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas

Agricultural Research Service  
U. S. Department of Agriculture

The Regional Cotton Variety Test series is available free of charge from the Cotton Quality Research Unit, Southern Regional Research Center, P. O. Box 19687, New Orleans, LA 70179

Regional Cotton Variety Tests, 1984. Yield, Boll, Seed, Spinning, and Fiber Data. Issued July 1985.

---

Processed by Southern Regional Research Center, U. S. Department of Agriculture, P. O. Box 19687, New Orleans, LA 70179.



## CONTENTS

Introduction 1

Regional Tests and Participating Stations 1

### TEST RESULTS

Eastern regional cotton variety test	7, 21
Delta regional cotton variety test	35
Central regional cotton variety test	44
Blacklands regional cotton variety test	52
Plains regional cotton variety test	57
Western regional cotton variety test	71, 78
Arizona regional cotton variety test	86
San Joaquin Valley continuous cotton variety test	94
High-quality regional cotton variety test	100
Pima regional cotton variety test	117
Combed-yarn test	130

Acknowledgments 131

Joint Cotton Breeding Policy Committee 132

National Cotton Variety Testing Committee 132

### LOCATION INDEX

Altus, OK	2, 61, 62, 65
Ames Plantation, TN	2, 11, 20, 25, 34
Anthony, NM	3, 121, 122, 127
Artesia, NM	3, 74, 77, 81, 85
Auburn, AL	1, 11, 15, 25, 29
Belle Mina, AL	1, 3, 11, 16, 25, 30, 104, 106, 115
Bossier City, LA	2, 47, 48
Chickasha, OK	2, 61, 62, 66, 68
Chillicothe, TX	2, 61, 62, 69
Clarkedale, AR	2, 38, 43
College Station, TX	2, 3, 47, 49, 105, 106, 111
Dallas, TX	2, 55, 56
El Paso, TX	3, 74, 76, 81, 84, 121, 122, 123
Five Points, CA <u>See</u> West Side	
Field Station, CA	
Florence, SC	2, 3, 11, 14, 25, 28, 104, 106, 109
Grand Junction, TN <u>See</u> Ames	
Plantation, TN	
Halfway, TX	2, 60, 62, 64
Jackson, TN	2, 3, 11, 17, 25, 31, 105, 106, 113
Lamesa, TX	2, 60, 62, 67
Las Cruces, NM	3, 74, 75, 81, 82



Lubbock, TX  
Mangum, OK  
Marana, AZ  
Maricopa, AZ  
Midville, GA  
Milan, TN  
Nueces County, TX  
Pecos, TX  
Portageville, MO  
Rocky Mount, NC  
Rohwer, AR  
Safford, AZ  
Salome, AZ  
St. Joseph, LA  
Shafter, CA  
Stoneville, MS  
Tifton, GA  
Weslaco, TX  
West Side Field Station, CA

2, 60, 62, 63  
2, 61, 62, 70  
3, 120, 122, 128  
3, 91, 92, 93, 120, 122, 124  
1, 11, 13, 25, 27  
2, 11, 19, 25, 33  
2, 47, 51  
3, 81, 83  
2, 3, 38, 41, 105, 106, 110  
2, 3, 11, 18, 25, 32, 104, 106, 112  
2, 3, 38, 42, 105, 106, 116  
3, 121, 122, 125, 129  
3, 120, 122, 126  
2, 3, 38, 39, 105, 106, 107  
3, 97, 99  
2, 3, 38, 40, 105, 106, 114  
1, 3, 12, 25, 26, 104, 106, 108  
2, 47, 50  
3, 97, 98eeee



## INTRODUCTION

The National Cotton Variety Testing Program, developed from recommendations of the Joint Cotton Breeding Policy Committee, is a system for uniform reporting of data from cotton-yield trials across the U. S. cotton belt. The trials are conducted annually at selected locations involved in the variety-testing programs of the cooperating State Agricultural Experiment Stations. The National Cotton Variety Testing Committee is responsible for coordinating program plans from year to year.

National standard varieties are chosen for a 3-year cycle of testing. For the ninth 3-year cycle of testing, which begins in 1984, the national standards are Acala SJC-1, Paymaster 145, McNair 235, and Stoneville 213. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. In 1984, the cooperators for the Eastern, Central, and Delta regions elected to include interregional standards for a 3-year cycle of testing, coinciding with the national standard 3-year cycle. The interregional standards are Coker 3131, Deltapine 90, Stoneville 506, and Stoneville 825. Data on the national, regional, and interregional standards are included in this report. All varieties are grown to obtain experimental data, and the designation of national, regional, and interregional standards is not an endorsement of these varieties by the U. S. Department of Agriculture or the cooperating State agricultural experiment stations.

Plot size, cultural practices, number of entries, and sampling methods are left to the discretion of the participating stations. While these details are not rigidly standardized, all tests are conducted by experienced personnel using sound experimental designs and procedures.

Yield, boll size, lint percentage, and seed index were supplied by the cooperating stations. Fiber and yarn tests were made at USDA's Cotton Laboratory at Clemson, SC. Seed grades were scored at USDA's Cotton Quality Research Unit, New Orleans, and chemical analyses of seed were done by a private laboratory. Yield, boll size, and seed index were not received from certain locations. Fiber and seed samples were not collected from several locations. All data were assembled in the Cotton Quality Research Unit.

In 1984, the National Cotton Variety Testing Program was organized as shown on the cover map. Upland varieties were grown in all eight regions. Strains developed in the Southern States with superior fiber properties and spinning performance were tested in three contiguous regions (high-quality test). Extra-long-staple American Pima varieties were tested in the Western and Arizona Regions.

## REGIONAL TESTS AND PARTICIPATING STATIONS

### Eastern Regional Cotton Variety Test (Upland Varieties)

Alabama Agricultural Experiment Station  
Tennessee Valley Substation  
Georgia Agricultural Experiment Station  
Georgia Coastal Plain Experiment Station

Auburn, AL  
Belle Mina, AL  
Midville, GA  
Tifton, GA



Pee Dee Experiment Station	Florence, SC
Upper Coastal Plain Experiment Station	Rocky Mount, NC
West Tennessee Agricultural Experiment Station	Jackson, TN
Ames Plantation	Grand Junction, TN
Milan Field Station	Milan, TN

#### Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station	
Delta Substation	Clarkedale, AR
Southeast Branch	Rohwer, AR
Mississippi Agricultural and Forestry	
Experiment Station	
Delta Branch	Stoneville, MS
Missouri Agricultural Experiment Station	
Delta Center	Portageville, MO
Northeast Louisiana Experiment Station	St. Joseph, LA

#### Central Regional Cotton Variety Test (Upland Varieties)

Red River Valley Experiment Station	Bossier City, LA
Texas A&M University	
Agricultural Research and Extension Center	Weslaco, TX
Agricultural Research Station, off-station test	Nueces County, TX
Texas Agricultural Experiment Station	College Station, TX

#### Blacklands Regional Cotton Variety Test (Upland Varieties)

Texas A&M University	
Agricultural Research and Extension Center	Dallas, TX

#### Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station	
Cotton Research Station	
Irrigated test	Chickasha, OK
Dryland test	Chickasha, OK
Irrigation Experiment Station	Altus, OK
Sandy Land Research Station	
Dryland test	Mangum, OK
Texas A&M University	
Agricultural Research and Extension Center	
(Chillicothe):	
Dryland test	Chillicothe
Agricultural Research and Extension Center	
(Lubbock):	
Irrigated test	Lubbock, TX
Off-station test	
Irrigated test	Halfway, TX
Dryland test	Lamesa, TX



### Western Regional Cotton Variety Test (Upland Varieties)

New Mexico Agricultural Experiment Station	Las Cruces, NM
Southeastern Branch Station	Artesia, NM
Texas A&M University	
Agricultural Research Center	El Paso, TX
Agricultural Research Station	Pecos, TX

### Arizona Regional Cotton Variety Test (Upland Varieties)

Arizona Agricultural Experiment Station	
Cotton Research Center	Maricopa, AZ

### San Joaquin Valley Continuous Cotton Variety Test (Upland Varieties)

California Agricultural Experiment Station	
West Side Field Station	Five Points, CA
U. S. Cotton Field Station	Shafter, CA

### High-Quality Regional Cotton Variety Test

Alabama Agricultural Experiment Station	
Tennessee Valley Substation	Belle Mina, AL
Arkansas Agricultural Experiment Station	
Southeast Branch	Rohwer, AR
Georgia Coastal Plain Experiment Station	Tifton, GA
Mississippi Agricultural and Forestry Experiment Station	
Delta Branch	Stoneville, MS
Missouri Agricultural Experiment Station	
Delta Center	Portageville, MO
Northeast Louisiana Experiment Station	St. Joseph, LA
Pee Dee Experiment Station	Florence, SC
Texas Agricultural Experiment Station	College Station, TX
Upper Coastal Plain Experiment Station	Rocky Mount, NC
West Tennessee Agricultural Experiment Station	Jackson, TN

### Pima Regional Cotton Variety Test

Arizona Agricultural Experiment Station	
Cotton Research Center	Maricopa, AZ
Off-station tests	Salome, AZ
Safford Branch Station, off-station tests	
Safford Experiment Station	Safford, AZ
Curtis Farm	Safford, AZ
Marana Experimental Farm	
Off-station test, Clark Farm	Marana, AZ
New Mexico Agricultural Experiment Station	
Off-station test	Anthony, NM
Texas A&M University	
Agricultural Research Center	El Paso, TX

## Combed-Yarn Test (American Pima Varieties)

American Pima cottons are commonly spun into combed yarns. In addition to the carded yarn tenacity, combed-yarn tests of Pima cotton grown at one location conducting the Pima Regional Cotton Variety Test were made by the Agricultural Marketing Service, U. S. Department of Agriculture, at its Clemson, SC, laboratory. Classer's grade and staple, yarn tenacity of 11.8- and 7.4- tex (50's and 80's cotton count) yarns, appearance index, imperfections per 1,000 yards, and waste percentages are reported.

### TEST RESULTS

No interpretation of the test results other than the indication of the significant differences among means based on an analysis of variance is presented. Means followed by the same letter or letters cannot be considered significantly different at the 0.05 level of probability, as determined by Duncan's multiple-range test. A randomized-block design was used for all analyses, although some tests were planted in lattice designs.

The yield reported for each variety is the average derived from the number of replications used. From three to eight replications were planted, depending on the station, and six replications were more commonly used. Boll size, lint percentage, and seed, fiber, and yarn data are based on two replications of each variety at all locations.

The tables for each regional test are arranged as follows: In the first four tables, average data for the entire region are given by cotton variety and location; the entries in these tables are arranged in order of decreasing lint yield. For some tests, subregional summaries are also included. Following these tables average data for each location in the region are given, each table being arranged by variety in decreasing order of lint yield.

### REPORTING VARIATIONS:

The Eastern and Western Regions were tabulated differently for comparative purposes in view of the fact that use of Duncan's Multiple Range Analyses are not appropriate in situations where missing values have been estimated.

Eastern Region: Because fiber and seed data were not obtained on PD 4548 at Belle Mina in the Eastern Region, two regional tables are listed by variety: in one, the fiber and seed data for all varieties at Belle Mina were excluded, and in the other, the fiber and seed data for PD 4548 were excluded from all locations.

Western Region: Because McNair 220 was not planted at Pecos in the Western Region, two regional tables are listed by variety: in one, all varieties at Pecos were excluded, and in the other, McNair 220 was excluded from all locations.



The column headings and symbols are defined as follows:

Boll size. The mass, in grams, per boll of seed cotton.

Classer's designation. A description of the quality of cotton in terms of grade and staple according to the official cotton standards of the United States. For grade, classification is based on appearance and is accomplished chiefly through the sense of sight by integration of the three factors of grade--color, leaf, and preparation--in the sample. Classification for staple length involves both sight and touch and is made by pulling out and comparing a typical portion of fiber from a sample with the official staple types.

Colorimeter. These measurements were determined by the Motion Control Cotton Colorimeter. Hunter's b value is a measure of increasing yellowness of the cotton.  $R_d$  is the percentage of the reflectance; the higher the value, the lighter the cotton.

Digital Fibrograph. An instrument for measuring fiber length. S.L. (span length) is the distance spanned by a specified percentage of the fibers in the test specimen, where the initial starting point of the scanning in the test is considered 100 percent. The 2.5 percent S.L. is the length, in inches, on the test specimen spanned by 2.5 percent of the fibers scanned at the initial starting point. The 2.5 percent S.L. approximates classer's staple. The 50 percent S.L. is the length, in inches, on the test specimen spanned by 50 percent of the fibers scanned at the initial starting point.

Free gossypol. The gossypol in fuzzy seeds as determined by AOCS Method Ba 7-58; expressed as a percentage of the mass of the kernel.

High Volume Instrument. An instrument system used to measure length and strength of cotton fibers. The UHM (upper-half mean) is the average length, in inches, of the half of the fibers, by weight, that contains the longer fibers.

Uniformity is the ratio of the mean length to UHM, expressed as a percentage.

Tenacity is the fiber strength of a bundle of fibers measured with the two jaws holding the fiber bundle separated by one-eighth inch, expressed in grams force per tex.

Lint percent. The mass of lint ginned from a sample of seed cotton, expressed as a percentage of the mass of seed cotton.

Lint yield. The mean production of the plots harvested, expressed in pounds of lint per acre.

Micronaire. The fineness of the sample taken from the ginned lint, measured by the micronaire and expressed in standard (curvilinear scale) micronaire units.

Nitrogen. The nitrogen in fuzzy seeds as determined by AOCS Method Ba 4-38; expressed as a percentage of the mass of the fuzzy seeds. The percentage of nitrogen multiplied by 6.25 is an approximation of the percentage of protein.

Oil. The oil in fuzzy seeds as determined by AOCS Method Aa 4-38; expressed as a percentage of the mass of the fuzzy seeds.

Seed grade. A visual estimate of the amount of linters on seeds. Seeds are graded from 1 to 16; 1=most dense coating, and 16=no linters (completely naked).

Seed index. The mass of 100 fuzzy seeds, in grams.

Stelometer. An instrument for measuring fiber strength.  $T_1$  is the fiber strength of a bundle of fibers measured on the Stelometer with two jaws holding the fiber bundle separated by a 1/8-inch spacer, expressed in millinewtons (mN) per tx.  $E_1$  is the percentage elongation at break of the center one-eighth inch of the fiber bundle measured for  $T_1$  strength on the Stelometer.

Tex. The linear density of fibers, filaments, and yarns, expressed as the mass, in milligrams, of 1 metre of fiber or yarn.

Waste. The difference in mass, expressed as a percentage, of the fed stock and delivered stock. Picker and card waste is the loss in mass during opening, picking, and carding. Comber waste is the loss in mass during combing.

Yarn appearance index. The relative evenness, smoothness, and freedom from foreign material of the yarn as evaluated by a visual comparison of the yarn with the standards adopted by the American Society for Testing and Materials. Higher numbers indicate more even and smooth yarns with less foreign material.

Yarn imperfections. The abrupt changes in thickness of a yarn detected by two capacitor plates, expressed as the number of such changes per 1,000 yards of yarn; may be called neps.

Yarn tenacity. The strength of the yarn, in millinewtons per tex (mN/tex).



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 220	1224 A	6.17	39.4	10.5	149	1.14	.54	200	6.3	3.94
GA T 72-56	1217 A	6.34	40.2	11.1	145	1.14	.54	202	6.8	4.33
COKER 315	1216 A	6.12	42.4	10.4	153	1.18	.56	211	6.6	3.99
MCHAIR 235	1212 A	6.31	39.5	10.7	149	1.15	.55	204	6.4	4.02
DELTAPINE 90	1209 A	5.63	40.0	10.2	152	1.15	.55	222	7.1	4.16
COKER 208	1204 A	6.74	40.3	11.2	138	1.12	.54	194	6.1	4.35
COKER 3131	1179 AB	6.46	41.4	11.1	134	1.16	.54	188	7.6	4.04
DELTAPINE 150	1170 AB	6.04	38.1	11.0	133	1.15	.54	189	8.2	4.22
DELTAPINE 41	1153 AB	5.99	42.0	10.2	150	1.16	.56	201	7.1	4.06
STONEVILLE 506	1134 AB	6.04	38.6	11.0	140	1.16	.55	197	7.5	4.09
STONEVILLE 825N	1131 AB	6.05	39.9	11.2	139	1.14	.54	188	6.2	4.56
STONEVILLE 213	1120 AB	6.04	39.7	11.1	130	1.13	.54	183	7.6	4.51
DELTAPINE 62	1120 AB	6.52	38.9	11.7	148	1.18	.56	205	7.1	4.22
PD 4548	1116 AB	5.95	40.2	11.3	164	1.19	.58	229	6.3	3.91
PAYMASTER 145	1081 B	6.28	38.2	11.2	135	1.08	.54	200	7.0	4.17
ACALA SJ C-1	817 C	6.60	39.3	11.7	162	1.15	.57	229	6.8	3.93

1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			Rd	COLORIMETER		Seed Data		
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)		HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCHAIR 220	1.19	83.6	28.3	76.5	8.1	20.58	3.63	.77	4.9
GA T 72-56	1.20	83.8	28.0	77.8	8.3	19.75	3.68	.79	4.3
COKER 315	1.25	82.8	29.0	77.4	8.6	20.57	3.76	.80	4.6
MCHAIR 235	1.21	83.4	26.9	76.8	8.4	20.82	3.65	.77	4.9
DELTAPINE 90	1.18	83.4	30.8	76.0	8.5	21.06	3.63	.84	5.0
COKER 208	1.16	83.6	26.9	76.9	8.4	20.78	3.65	.76	4.3
COKER 3131	1.19	83.5	26.6	75.1	9.0	20.39	3.77	.82	4.8
DELTAPINE 150	1.20	83.1	26.0	77.4	8.3	20.43	3.54	.86	4.8
DELTAPINE 41	1.21	84.0	27.9	78.8	8.7	19.33	3.70	.74	4.9
STONEVILLE 506	1.22	83.0	27.9	76.6	8.6	19.34	3.59	.71	4.1
STONEVILLE 825N	1.19	83.4	26.6	78.5	8.6	18.98	3.65	.80	4.3
STONEVILLE 213	1.16	83.3	25.8	76.3	8.8	19.21	3.65	.84	3.6
DELTAPINE 62	1.25	84.0	23.4	77.4	8.2	19.91	3.54	.77	4.0
PD 4548	1.24	84.5	30.1	76.7	8.4	21.45	3.77	.83	4.3
PAYMASTER 145	1.10	83.9	25.3	77.4	8.1	21.33	3.79	.77	4.9
ACALA SJ C-1	1.19	84.5	30.5	75.4	8.5	21.54	3.75	.66	4.1



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

COKER 208	6.74	A
ACALA SJ C-1	6.60	AB
DELTAPINE 62	6.52	ABC
COKER 3131	6.46	ABCD
GA T 72-56	6.34	BCDE
MCHAIR 235	6.31	BCDE
PAYMASTER 145	6.28	BCDE
MCHAIR 220	6.17	CDE
COKER 315	6.12	DE
STONEVILLE 825N	6.05	E
STONEVILLE 213	6.04	E
STONEVILLE 506	6.04	E
DELTAPINE 150	6.04	E
DELTAPINE 41	5.99	EF
PD 4548	5.95	EF
DELTAPINE 90	5.63	F

LINT PCT

COKER 315	42.4	A
DELTAPINE 41	42.0	AB
COKER 3131	41.4	B
COKER 208	40.3	C
GA T 72-56	40.2	CD
PD 4548	40.2	CD
DELTAPINE 90	40.0	CD
STONEVILLE 825N	39.9	CD
STONEVILLE 213	39.7	CDE
MCHAIR 235	39.5	CDEF
MCHAIR 220	39.4	CDEF
ACALA SJ C-1	39.3	DEF
DELTAPINE 62	38.9	EFG
STONEVILLE 506	38.6	FG
PAYMASTER 145	38.2	G
DELTAPINE 150	38.1	G

SEED INDEX

DELTAPINE 62	11.7	A
ACALA SJ C-1	11.7	A
PD 4548	11.3	AB
STONEVILLE 825N	11.2	B
PAYMASTER 145	11.2	B
COKER 208	11.2	B
GA T 72-56	11.1	BC
COKER 3131	11.1	BC
STONEVILLE 213	11.0	BC
STONEVILLE 506	11.0	BC
DELTAPINE 150	11.0	BC
MCHAIR 235	10.7	CD
MCHAIR 220	10.5	DE
COKER 315	10.4	DE
DELTAPINE 41	10.2	E
DELTAPINE 90	10.2	E

YARN TENACITY

PD 4548	164	A
ACALA SJ C-1	162	A
COKER 315	153	B
DELTAPINE 90	152	B
DELTAPINE 41	150	BC
MCHAIR 220	149	BC
MCHAIR 235	149	BC
DELTAPINE 62	148	BC
GA T 72-56	145	CD
STONEVILLE 506	140	DE
STONEVILLE 825N	139	EF
COKER 208	138	EF
PAYMASTER 145	135	EFG
COKER 3131	134	EFG
DELTAPINE 150	133	FG
STONEVILLE 213	130	G

FIBROGRAPH—2.5% S.L.

PD 4548	1.19	A
COKER 315	1.18	AB
DELTAPINE 62	1.18	AB
DELTAPINE 41	1.16	BC
STONEVILLE 506	1.16	BC
MCHAIR 235	1.15	CD
COKER 3131	1.15	CD
DELTAPINE 90	1.15	CD
ACALA SJ C-1	1.15	CD
DELTAPINE 150	1.15	CD
MCHAIR 220	1.14	CD
GA T 72-56	1.14	CD
STONEVILLE 213	1.13	CD
STONEVILLE 825N	1.13	CD
COKER 208	1.12	D
PAYMASTER 145	1.08	E

FIBROGRAPH—50% S.L.

PD 4548	0.58	A
ACALA SJ C-1	0.57	AB
COKER 315	0.56	ABC
DELTAPINE 41	0.56	ABC
DELTAPINE 62	0.56	ABC
MCHAIR 235	0.55	BC
STONEVILLE 506	0.55	BC
DELTAPINE 90	0.55	BC
STONEVILLE 213	0.54	C
MCHAIR 220	0.54	C
GA T 72-56	0.54	C
STONEVILLE 825N	0.54	C
PAYMASTER 145	0.54	C
COKER 3131	0.54	C
COKER 208	0.54	C
DELTAPINE 150	0.54	C

SEE REPORTING VARIATIONS: PAGE 4



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

STELONETER - T1		
PD 4548	229	A
ACALA SJ C-1	229	A
DELTAPINE 90	222	A
COKER 315	211	B
DELTAPINE 62	205	BC
MCNAIR 235	204	BCD
GA T 72-56	202	BCD
DELTAPINE 41	201	BCD
MCNAIR 220	200	CD
PAYMASTER 145	200	CD
STONEVILLE 506	197	CDE
COKER 208	194	DE
DELTAPINE 150	189	EF
STONEVILLE 825N	188	EF
COKER 3131	188	EF
STONEVILLE 213	183	F

STELONETER - E1		
DELTAPINE 150	8.2	A
STONEVILLE 213	7.6	B
COKER 3131	7.6	B
STONEVILLE 506	7.5	B
DELTAPINE 41	7.1	BC
DELTAPINE 62	7.1	BC
DELTAPINE 90	7.1	BC
PAYMASTER 145	6.9	CD
GA T 72-56	6.7	CDE
ACALA SJ C-1	6.7	CDE
COKER 315	6.5	DEF
MCNAIR 235	6.4	DEF
MCNAIR 220	6.3	EF
PD 4548	6.3	EF
STONEVILLE 825N	6.2	EF
COKER 208	6.1	F

MICRONAIRE		
STONEVILLE 825N	4.56	A
STONEVILLE 213	4.51	AB
COKER 208	4.35	ABC
GA T 72-56	4.32	ABCD
DELTAPINE 62	4.22	BCDE
DELTAPINE 150	4.22	BCDE
PAYMASTER 145	4.17	CDE
DELTAPINE 90	4.16	CDE
STONEVILLE 506	4.09	CDE
DELTAPINE 41	4.06	CDE
COKER 3131	4.04	CDE
MCNAIR 235	4.02	CDE
COKER 315	3.99	DE
MCNAIR 220	3.94	E
ACALA SJ C-1	3.92	E
PD 4548	3.91	E

UHM (INCHES)		
COKER 315	1.25	A
DELTAPINE 62	1.25	A
PD 4548	1.24	AB
STONEVILLE 506	1.22	ABC
DELTAPINE 41	1.21	BCD
GA T 72-56	1.20	CD
MCNAIR 235	1.20	CD
DELTAPINE 150	1.20	CD
MCNAIR 220	1.19	CDE
STONEVILLE 825N	1.19	CDE
COKER 3131	1.19	CDE
ACALA SJ C-1	1.19	CDE
DELTAPINE 90	1.18	DE
STONEVILLE 213	1.16	E
COKER 208	1.16	E
PAYMASTER 145	1.10	F

UNIFORMITY (PERCENT)		
PD 4548	84.5	A
ACALA SJ C-1	84.5	A
DELTAPINE 41	84.0	AB
DELTAPINE 62	84.0	AB
PAYMASTER 145	83.9	AB
GA T 72-56	83.7	ABC
MCNAIR 220	83.6	ABC
COKER 208	83.6	ABC
COKER 3131	83.5	ABC
MCNAIR 235	83.4	ABC
STONEVILLE 825N	83.4	ABC
DELTAPINE 90	83.4	ABC
STONEVILLE 213	83.2	BC
DELTAPINE 150	83.1	BC
STONEVILLE 506	83.0	BC
COKER 315	82.7	C

TENACITY (G/TEX)		
DELTAPINE 90	30.7	A
ACALA SJ C-1	30.5	A
PD 4548	30.1	AB
COKER 315	29.0	BC
DELTAPINE 62	28.4	CD
MCNAIR 220	28.2	CD
GA T 72-56	28.0	CDE
DELTAPINE 41	27.9	CDE
STONEVILLE 506	27.9	CDE
MCNAIR 235	26.9	DEF
COKER 208	26.9	DEF
STONEVILLE 825N	26.6	EFG
COKER 3131	26.6	EFG
DELTAPINE 150	26.0	FG
STONEVILLE 213	25.7	FG
PAYMASTER 145	25.2	G

SEE REPORTING VARIATIONS: PAGE 4



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

COLORIMETER -RD	
DELTAPINE 41	78.8 A
STONEVILLE 825N	78.5 AB
GA T 72-56	77.8 ABC
COKER 315	77.4 ABCD
PAYMASTER 145	77.4 ABCD
DELTAPINE 62	77.4 ABCD
DELTAPINE 150	77.4 ABCD
COKER 208	76.9 ABCD
MCNAIR 235	76.8 ABCD
PD 4548	76.7 ABCD
STONEVILLE 506	76.6 ABCD
MCNAIR 220	76.5 ABCD
STONEVILLE 213	76.2 BCD
DELTAPINE 90	76.0 CD
ACALA SJ C-1	75.4 CD
COKER 3131	75.1 D

COLORIMETER - B	
COKER 3131	9.0 A
STONEVILLE 213	8.8 AB
DELTAPINE 41	8.7 ABC
COKER 315	8.6 ABCD
STONEVILLE 825N	8.6 ABCD
STONEVILLE 506	8.6 ABCD
DELTAPINE 90	8.5 BCDE
ACALA SJ C-1	8.5 BCDE
MCNAIR 235	8.4 BCDE
PD 4548	8.4 BCDE
COKER 208	8.4 BCDE
GA T 72-56	8.3 CDE
DELTAPINE 150	8.3 CDE
DELTAPINE 62	8.2 DE
MCNAIR 220	8.1 E
PAYMASTER 145	8.1 E

OIL (PERCENT)	
ACALA SJ C-1	21.54 A
PD 4548	21.45 A
PAYMASTER 145	21.33 AB
DELTAPINE 90	21.06 AB
MCNAIR 235	20.82 ABC
COKER 208	20.78 ABC
MCNAIR 220	20.58 ABCD
COKER 315	20.57 ABCD
DELTAPINE 150	20.43 BCD
COKER 3131	20.39 BCD
DELTAPINE 62	19.91 CDE
GA T 72-56	19.75 DE
STONEVILLE 506	19.34 E
DELTAPINE 41	19.33 E
STONEVILLE 213	19.21 E
STONEVILLE 825N	18.98 E

NITROGEN (PERCENT)	
PAYMASTER 145	3.78 A
PD 4548	3.77 A
COKER 3131	3.77 A
COKER 315	3.76 A
ACALA SJ C-1	3.75 A
DELTAPINE 41	3.70 AB
GA T 72-56	3.68 ABC
STONEVILLE 213	3.65 ABC
MCNAIR 235	3.65 ABC
STONEVILLE 825N	3.65 ABC
COKER 208	3.65 ABC
MCNAIR 220	3.63 ABC
DELTAPINE 90	3.63 ABC
STONEVILLE 506	3.59 BC
DELTAPINE 150	3.54 C
DELTAPINE 62	3.53 C

FREE GOSSYPOL (PERCENT)	
DELTAPINE 150	0.86 A
STONEVILLE 213	0.84 A
DELTAPINE 90	0.84 A
PD 4548	0.83 AB
COKER 3131	0.82 AB
COKER 315	0.80 AB
STONEVILLE 825N	0.80 AB
GA T 72-56	0.79 AB
MCNAIR 220	0.77 ABC
MCNAIR 235	0.77 ABC
PAYMASTER 145	0.77 ABC
DELTAPINE 62	0.77 ABC
COKER 208	0.76 ABC
DELTAPINE 41	0.74 ABC
STONEVILLE 506	0.71 BC
ACALA SJ C-1	0.66 C

SEED GRADE	
DELTAPINE 90	5.0 A
MCNAIR 220	4.9 A
MCNAIR 235	4.9 A
DELTAPINE 41	4.9 A
PAYMASTER 145	4.9 A
GA T 72-56	4.7 A
COKER 3131	4.7 A
DELTAPINE 150	4.7 A
COKER 315	4.6 AB
STONEVILLE 825N	4.2 BC
PD 4548	4.2 BC
COKER 208	4.2 BC
STONEVILLE 506	4.1 C
ACALA SJ C-1	4.1 C
DELTAPINE 62	4.0 CD
STONEVILLE 213	3.6 D

SEE REPORTING VARIATIONS: PAGE 4



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
TIFTON,GA	1684 A	6.42	41.5	10.9	0	.00	.00	0	.0	.00
MIDVILLE,GA	1416 B	6.65	36.5	.0	150	1.18	.56	203	7.3	4.35
FLORENCE,SC	1340 C	5.92	42.2	9.7	137	1.08	.52	196	6.9	4.49
AUBURN,AL	1172 D	.00	40.7	10.6	137	1.13	.53	197	6.8	3.87
BELLE MINA,AL	1029 E	5.47	41.4	10.7	0	.00	.00	0	.0	.00
MILAN,TN	960 E	6.69	40.2	11.7	0	.00	.00	0	.0	.00
JACKSON,TN	958 E	6.16	36.9	11.6	156	1.19	.59	214	6.6	3.92
ROCKY MOUNT,NC	874 F	5.97	38.8	10.0	0	.00	.00	0	.0	.00
AMES PLANTN,TN	863 F	6.36	40.7	12.6	0	.00	.00	0	.0	.00

1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
TIFTON,GA	.00	.0	.0	.0	.0	.00	.00	.00	.0
MIDVILLE,GA	1.24	83.5	27.9	78.0	9.2	21.21	3.38	.89	4.3
FLORENCE,SC	1.13	83.3	27.5	80.7	9.2	20.78	3.66	.91	4.5
AUBURN,AL	1.18	82.9	25.9	70.4	7.7	19.29	3.67	.57	4.3
BELLE MINA,AL	.00	.0	.0	.0	.0	.00	.00	.00	.0
MILAN,TN	.00	.0	.0	.0	.0	.00	.00	.00	.0
JACKSON,TN	1.23	84.6	29.9	78.8	8.8	20.09	3.98	.77	4.8
ROCKY MOUNT,NC	.00	.0	.0	.0	.0	.00	.00	.00	.0
AMES PLANTN,TN	.00	.0	.0	.0	.0	.00	.00	.00	.0

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

TIFTON, GA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1921 A	5.83	42.8	9.7	0	.00	.00	0	.0	
DELTAPINE 41	1913 A	6.44	44.5	9.7	0	.00	.00	0	.0	
MCNAIR 235	1906 AB	6.58	42.1	10.1	0	.00	.00	0	.0	
PD 4548	1799 ABC	6.89	42.5	11.6	0	.00	.00	0	.0	
COKER 315	1786 ABCD	5.78	43.7	10.2	0	.00	.00	0	.0	
MCNAIR 220	1762 BCD	6.28	40.5	10.6	0	.00	.00	0	.0	
GA T 72-56	1734 CDE	6.66	41.5	11.3	0	.00	.00	0	.0	
STONEVILLE 825N	1702 CDE	6.30	41.5	11.4	0	.00	.00	0	.0	
COKER 208	1701 CDE	7.02	42.6	11.1	0	.00	.00	0	.0	
DELTAPINE 150	1693 CDE	6.41	40.0	10.8	0	.00	.00	0	.0	
STONEVILLE 213	1683 CDE	6.36	40.8	11.3	0	.00	.00	0	.0	
DELTAPINE 62	1678 CDE	6.77	40.1	11.3	0	.00	.00	0	.0	
COKER 3131	1633 DE	6.47	42.1	10.4	0	.00	.00	0	.0	
STONEVILLE 506	1586 EF	6.01	39.5	11.3	0	.00	.00	0	.0	
PAYMASTER 145	1486 F	6.15	39.4	11.2	0	.00	.00	0	.0	
ACALA SJ C-1	965 G	6.70	40.1	11.8	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

TIFTON, GA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
MCNAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	
MCNAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825N	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 150	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MIDVILLE, GA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 220	1700 A	6.98	37.5	.0	149	1.18	.55	210	6.6	4.35
COKER 208	1693 A	7.31	37.5	.0	141	1.16	.57	198	6.4	4.80
MCNAIR 235	1587 AB	6.83	36.6	.0	159	1.22	.57	211	7.0	4.25
COKER 315	1484 AB	6.74	39.0	.0	160	1.23	.56	205	6.8	4.10
DELTAPINE 62	1476 AB	6.70	35.1	.0	153	1.19	.56	207	7.4	4.00
COKER 3131	1467 AB	7.44	37.7	.0	143	1.21	.55	189	7.5	4.20
STONEVILLE 213	1463 AB	6.40	36.3	.0	136	1.15	.55	180	8.3	4.85
GA T 72-56	1419 AB	6.99	37.4	.0	149	1.17	.54	200	6.7	4.95
DELTAPINE 41	1416 AB	6.05	38.1	.0	158	1.19	.57	205	7.9	4.20
STONEVILLE 506	1385 AB	6.41	35.2	.0	150	1.20	.58	197	7.9	4.30
DELTAPINE 90	1377 AB	5.63	34.9	.0	155	1.18	.55	229	7.6	4.30
PD 4548	1353 B	6.33	36.8	.0	167	1.23	.58	229	7.4	4.20
DELTAPINE 150	1348 B	6.46	34.2	.0	136	1.17	.54	190	8.6	4.15
STONEVILLE 825N	1323 B	6.12	36.6	.0	147	1.17	.55	193	6.6	4.85
PAYMASTER 145	1269 B	7.28	35.0	.0	141	1.11	.54	200	7.9	4.45
ACALA SJ C-1	889 C	6.70	35.4	.0	158	1.16	.55	207	7.4	3.65

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MIDVILLE, GA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 220	1.25	83.0	28.0	78.3	8.8	22.33	3.26	.91	4.5
COKER 208	1.18	84.0	27.5	77.5	9.6	22.07	3.28	.86	4.0
MCNAIR 235	1.29	83.5	27.5	79.8	9.1	21.77	3.37	.90	5.0
COKER 315	1.32	81.5	28.5	77.5	9.3	21.11	3.50	.93	4.0
DELTAPINE 62	1.28	83.0	29.0	79.3	8.6	20.45	3.21	.86	4.0
COKER 3131	1.27	83.5	27.5	76.0	9.5	21.41	3.56	.90	4.0
STONEVILLE 213	1.19	83.0	25.5	77.8	9.2	20.04	3.33	.98	3.0
GA T 72-56	1.22	84.5	27.0	78.8	9.1	21.93	3.27	.92	5.0
DELTAPINE 41	1.25	84.0	27.5	79.9	9.1	19.27	3.38	.79	4.5
STONEVILLE 506	1.27	84.0	28.0	77.8	9.2	20.57	3.38	.82	4.0
DELTAPINE 90	1.21	83.5	30.0	75.3	9.2	21.21	3.37	.90	5.0
PD 4548	1.32	84.0	29.5	76.5	8.9	22.73	3.37	.96	4.0
DELTAPINE 150	1.22	83.0	29.0	78.9	8.8	20.81	3.28	.98	5.0
STONEVILLE 825N	1.22	83.0	27.0	78.8	9.3	19.67	3.41	.98	4.0
PAYMASTER 145	1.18	84.5	24.5	79.5	8.9	22.71	3.53	.88	5.0
ACALA SJ C-1	1.21	84.0	30.0	78.0	9.8	21.25	3.52	.65	4.0

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

FLORENCE, SC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
COKER 3131	1560 A	6.06	44.4	9.9	124	1.09	.53	180	7.9	4.
COKER 315	1524 AB	6.80	45.4	8.9	143	1.09	.49	203	6.8	4.
- COKER 208	1483 ABC	6.16	42.4	9.5	130	1.02	.48	184	6.2	4.
PD 4548	1481 ABC	5.50	43.1	9.8	159	1.12	.55	221	5.8	4.
MCHAIR 235	1464 ABC	6.22	41.8	9.3	139	1.09	.53	200	6.2	4.
GA T 72-56	1440 BCD	6.13	43.0	9.7	138	1.08	.52	203	7.0	4.
MCHAIR 220	1398 CDE	5.79	41.8	9.1	148	1.08	.52	195	6.0	4.
DELTAPINE 90	1355 DEF	5.23	42.6	8.6	144	1.06	.51	207	7.1	4.
DELTAPINE 150	1336 EFG	5.96	39.9	9.9	120	1.10	.52	183	8.6	4.
PAYMASTER 145	1282 FGH	5.98	39.3	10.5	131	1.05	.53	197	6.8	4.
DELTAPINE 41	1258 GHI	5.48	44.2	8.7	139	1.10	.54	183	7.5	4.
DELTAPINE 62	1252 GHI	6.46	41.3	10.3	145	1.13	.54	205	7.0	4.
STONEVILLE 825N	1224 HI	5.73	41.9	9.8	132	1.06	.49	183	6.1	4.
STONEVILLE 506	1218 HI	5.54	40.8	9.8	132	1.09	.53	189	7.6	4.
STONEVILLE 213	1178 I	5.60	42.2	9.6	121	1.07	.52	176	8.3	4.
ACALA SJ C-1	993 J	6.95	40.6	11.3	152	1.09	.54	231	6.2	4.

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

FLORENCE, SC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grad
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
COKER 3131	1.12	83.0	25.5	78.3	9.0	20.84	3.69	.96	
COKER 315	1.15	82.0	28.0	82.0	8.1	21.43	3.64	.98	
COKER 208	1.09	83.0	26.0	82.3	7.9	20.70	3.65	.82	
PD 4548	1.14	84.5	29.0	81.5	7.9	21.66	3.71	.83	
MCHAIR 235	1.12	83.0	27.0	76.3	8.0	21.62	3.54	.92	
GA T 72-56	1.13	83.0	28.5	82.5	8.1	19.53	3.68	.88	
MCHAIR 220	1.13	84.0	29.5	82.3	7.7	20.30	3.59	.80	
DELTAPINE 90	1.09	83.0	30.0	78.8	8.5	21.70	3.70	1.04	
DELTAPINE 150	1.16	83.5	26.0	82.3	8.1	21.63	3.58	1.02	
PAYMASTER 145	1.06	84.0	25.5	81.5	7.9	21.86	3.64	.99	
DELTAPINE 41	1.14	83.5	27.5	82.3	8.1	19.03	3.81	.83	
DELTAPINE 62	1.19	84.0	29.0	80.3	8.4	20.37	3.71	.90	
STONEVILLE 825N	1.14	83.0	27.0	83.5	8.0	19.75	3.73	.97	
STONEVILLE 506	1.15	82.5	27.0	81.0	8.4	20.22	3.62	.90	
STONEVILLE 213	1.10	83.0	25.5	78.3	8.7	19.34	3.71	.97	
ACALA SJ C-1	1.12	84.5	29.5	78.3	8.1	22.48	3.54	.70	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AUBURN, AL

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
GA T 72-56	1431 A	.00	40.2	11.0	143	1.14	.54	201	6.9	3.75
COKER 315	1317 AB	.00	41.9	10.7	143	1.17	.55	207	6.1	3.85
COKER 208	1313 AB	.00	40.4	10.8	133	1.13	.53	187	6.2	3.90
DELTAPINE 90	1245 AB	.00	40.3	9.8	145	1.16	.55	213	6.9	3.90
MCNAIR 220	1217 AB	.00	40.1	10.1	139	1.13	.50	196	6.5	3.55
COKER 3131	1172 AB	.00	42.1	10.8	127	1.14	.53	184	7.4	3.70
PD 4548	1166 AB	.00	40.9	10.8	156	1.19	.57	220	6.0	3.55
MCNAIR 235	1134 B	.00	40.4	10.4	139	1.11	.51	194	6.2	3.70
DELTAPINE 150	1133 B	.00	38.4	10.5	128	1.15	.55	181	7.6	4.10
PAYMASTER 145	1130 B	.00	38.8	10.8	127	1.06	.51	194	6.6	3.60
DELTAPINE 41	1112 B	.00	44.4	9.8	144	1.15	.52	199	6.8	3.90
STONEVILLE 213	1108 B	.00	42.2	10.4	121	1.09	.53	180	7.2	4.15
STONEVILLE 506	1096 B	.00	39.7	10.6	131	1.14	.53	195	7.7	3.95
ACALA SJ C-1	1069 B	.00	40.6	11.6	158	1.15	.54	238	6.8	3.85
DELTAPINE 62	1063 B	.00	39.0	11.5	135	1.16	.54	192	7.3	4.10
STONEVILLE 825N	1052 B	.00	42.0	10.4	129	1.10	.51	181	6.2	4.40

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AUBURN, AL

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
GA T 72-56	1.21	83.5	27.0	71.0	7.5	17.91	3.73	.57	4.0
COKER 315	1.22	83.0	27.5	70.3	7.9	19.36	3.75	.56	4.5
COKER 208	1.15	83.5	24.5	69.3	7.4	19.67	3.63	.60	4.0
DELTAPINE 90	1.21	83.0	28.5	71.8	7.7	20.16	3.58	.64	5.0
MCNAIR 220	1.16	83.0	25.0	67.3	7.0	19.75	3.70	.58	5.0
COKER 3131	1.17	83.0	25.0	68.0	8.2	19.45	3.81	.51	5.0
PD 4548	1.21	83.5	29.0	70.0	7.6	19.89	3.89	.63	4.0
MCNAIR 235	1.17	82.5	24.5	73.0	7.6	19.47	3.75	.42	5.0
DELTAPINE 150	1.21	83.5	22.5	70.5	7.7	19.62	3.46	.64	4.0
PAYMASTER 145	1.07	83.0	24.0	70.5	7.2	19.54	3.81	.55	4.5
DELTAPINE 41	1.20	82.5	26.5	74.8	8.4	19.74	3.64	.66	5.0
STONEVILLE 213	1.13	82.0	24.5	70.0	8.3	17.84	3.56	.65	3.5
STONEVILLE 506	1.18	81.5	27.0	69.5	7.8	17.98	3.54	.49	4.0
ACALA SJ C-1	1.19	84.0	29.0	68.0	7.4	21.36	3.76	.48	4.0
DELTAPINE 62	1.22	83.0	26.0	70.3	7.1	19.25	3.59	.53	4.0
STONEVILLE 825N	1.16	82.5	24.0	71.8	8.2	17.70	3.54	.59	4.0

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

BELLE MINA, AL

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELCHMETER		MICR
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Rea
DELTAPINE 90	1154 A	5.36	42.8	11.2	0	.00	.00	0	.0	
STONEVILLE 506	1123 A	4.75	40.4	10.1	0	.00	.00	0	.0	
DELTAPINE 150	1121 A	5.39	40.5	10.9	0	.00	.00	0	.0	
COKER 208	1097 AB	6.30	41.9	11.3	0	.00	.00	0	.0	
GA T 72-56	1090 ABC	5.37	41.5	10.3	0	.00	.00	0	.0	
PD 4548	1079 ABC	6.34	40.4	11.8	0	.00	.00	0	.0	
STONEVILLE 213	1071 ABC	5.28	41.0	10.9	0	.00	.00	0	.0	
COKER 3131	1059 ABC	5.25	43.6	10.8	0	.00	.00	0	.0	
COKER 315	1049 ABC	5.43	45.0	9.7	0	.00	.00	0	.0	
DELTAPINE 62	1038 ABC	6.08	41.3	11.3	0	.00	.00	0	.0	
MCHAIR 220	1025 ABC	5.46	41.4	10.5	0	.00	.00	0	.0	
STONEVILLE 825N	1016 ABC	4.89	41.4	10.6	0	.00	.00	0	.0	
MCHAIR 235	994 ABC	5.65	39.0	10.7	0	.00	.00	0	.0	
PAYMASTER 145	915 ABC	5.16	39.0	10.9	0	.00	.00	0	.0	
DELTAPINE 41	825 BC	4.89	43.0	9.5	0	.00	.00	0	.0	
ACALA SJ C-1	803 C	5.98	40.8	11.3	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

BELLE MINA, AL

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data				Seed Grav
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)		
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00		
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00		
DELTAPINE 150	.00	.0	.0	.0	.0	.00	.00	.00		
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00		
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00		
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00		
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00		
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00		
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00		
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00		
MCHAIR 220	.00	.0	.0	.0	.0	.00	.00	.00		
STONEVILLE 825N	.00	.0	.0	.0	.0	.00	.00	.00		
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00		
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00		
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00		
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00		

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

JACKSON, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1092 A	5.94	37.0	10.7	167	1.19	.57	240	6.9	3.95
STONEVILLE 825N	1062 AB	6.46	37.1	11.9	150	1.21	.60	197	5.8	4.30
MCNAIR 235	1019 ABC	6.46	36.1	11.4	159	1.19	.58	210	6.3	3.65
COKER 3131	999 ABC	6.98	37.5	12.4	143	1.18	.57	198	7.5	3.75
MCNAIR 220	995 ABC	6.09	36.1	11.4	161	1.18	.58	198	6.1	3.75
DELTAPINE 150	992 ABC	5.44	35.7	11.2	148	1.18	.55	203	8.0	3.95
GA T 72-56	982 BC	6.20	36.5	11.8	150	1.19	.57	206	6.6	4.15
STONEVILLE 506	981 BC	5.75	35.0	11.3	146	1.20	.57	206	6.8	3.70
COKER 315	966 BC	6.13	38.4	11.4	166	1.23	.61	229	6.6	3.65
STONEVILLE 213	961 BC	5.83	37.8	11.4	144	1.20	.58	195	6.8	4.30
DELTAPINE 41	957 BC	6.12	38.1	10.8	161	1.21	.60	218	6.2	3.80
DELTAPINE 62	953 C	5.94	36.4	11.8	162	1.24	.60	216	6.7	4.00
PAYMASTER 145	935 C	6.50	36.6	11.6	143	1.09	.56	211	6.6	4.35
COKER 208	840 D	6.83	36.7	12.3	150	1.18	.60	207	5.5	4.05
PD 4548	809 D	5.50	37.6	11.9	176	1.24	.63	245	6.0	3.60
ACALA SJ C-1	783 D	6.37	37.0	11.8	182	1.20	.63	241	6.7	3.75

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

JACKSON, TN

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
DELTAPINE 90	1.22	84.0	34.5	78.3	8.7	21.18	3.89	.80	5.0
STONEVILLE 825N	1.24	85.0	28.5	80.0	8.9	18.79	3.92	.65	5.0
MCNAIR 235	1.24	84.5	28.5	78.3	8.9	20.43	3.96	.85	5.0
COKER 3131	1.20	84.5	28.5	78.3	9.3	19.88	4.01	.90	5.0
MCNAIR 220	1.22	84.5	30.5	78.3	8.8	19.93	3.98	.80	5.0
DELTAPINE 150	1.22	82.5	26.5	79.0	8.7	19.65	3.84	.81	5.0
GA T 72-56	1.23	84.0	29.5	79.0	8.6	19.64	4.04	.81	5.0
STONEVILLE 506	1.26	84.0	29.5	78.3	9.0	18.60	3.85	.65	4.5
COKER 315	1.29	84.5	32.0	80.0	9.0	20.39	4.14	.73	5.0
STONEVILLE 213	1.23	85.0	27.5	79.0	9.2	19.63	3.98	.76	4.0
DELTAPINE 41	1.25	86.0	30.0	79.3	9.1	19.27	3.96	.71	5.0
DELTAPINE 62	1.31	86.0	29.5	79.8	8.6	19.54	3.63	.79	4.0
PAYMASTER 145	1.09	84.8	27.0	78.0	8.3	21.22	4.17	.66	5.0
COKER 208	1.20	84.0	29.5	78.8	8.7	20.68	4.04	.77	5.0
PD 4548	1.30	86.0	33.0	78.8	9.1	21.54	4.13	.99	5.0
ACALA SJ C-1	1.23	85.5	33.5	77.5	8.6	21.07	4.19	.81	4.5

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

ROCKY MOUNT, NC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 41	1054 A	5.91	42.7	9.3	0	.00	.00	0	.0	
DELTAPINE 150	979 AB	5.91	36.6	10.3	0	.00	.00	0	.0	
COKER 315	970 ABC	6.04	41.8	9.2	0	.00	.00	0	.0	
MCHAIR 220	938 BCD	6.19	38.1	9.8	0	.00	.00	0	.0	
GA T 72-56	931 BCDE	6.04	38.5	10.1	0	.00	.00	0	.0	
MCHAIR 235	921 BCDE	5.81	38.5	9.6	0	.00	.00	0	.0	
COKER 208	917 BCDE	6.70	39.0	10.3	0	.00	.00	0	.0	
STONEVILLE 506	906 BCDEF	5.85	37.5	10.2	0	.00	.00	0	.0	
DELTAPINE 90	886 BCDEF	5.69	38.6	9.3	0	.00	.00	0	.0	
STONEVILLE 825N	883 BCDEF	5.71	37.5	10.3	0	.00	.00	0	.0	
PAYMASTER 145	882 BCDEF	6.10	36.8	10.2	0	.00	.00	0	.0	
COKER 3131	866 CDEF	6.00	40.4	9.9	0	.00	.00	0	.0	
PD 4548	847 DEF	5.48	41.4	10.0	0	.00	.00	0	.0	
STONEVILLE 213	828 EF	5.73	37.2	10.2	0	.00	.00	0	.0	
DELTAPINE 62	804 F	6.09	38.0	10.7	0	.00	.00	0	.0	
ACALA SJ C-1	365 G	6.30	38.2	10.2	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

ROCKY MOUNT, NC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 150	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825N	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MILAN, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5Z S.L. (inches)	50Z S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
STONEVILLE 825N	1053 A	6.57	40.1	12.2	0	.00	.30	0	.0	.00
MCNAIR 220	1037 A	6.54	38.3	11.3	0	.00	.00	0	.0	.00
GA T 72-56	1011 AB	7.04	42.3	11.8	0	.00	.00	0	.0	.00
COKER 315	1010 AB	6.31	42.5	10.9	0	.00	.00	0	.0	.00
COKER 3131	1003 AB	7.47	42.3	11.8	0	.00	.00	0	.0	.00
STONEVILLE 213	992 AB	6.42	39.4	12.3	0	.00	.00	0	.0	.00
MCNAIR 235	990 AB	6.76	39.9	11.3	0	.00	.00	0	.0	.00
STONEVILLE 506	989 AB	7.15	38.7	12.5	0	.00	.00	0	.0	.00
DELTAPINE 150	976 AB	6.35	38.8	11.3	0	.00	.00	0	.0	.00
DELTAPINE 41	974 AB	6.48	41.4	10.8	0	.00	.00	0	.0	.00
DELTAPINE 62	973 AB	7.21	38.9	13.3	0	.00	.00	0	.0	.00
DELTAPINE 90	961 AB	5.81	40.1	11.3	0	.00	.00	0	.0	.00
COKER 208	921 BC	7.04	39.9	12.1	0	.00	.00	0	.0	.00
PAYMASTER 145	907 BC	7.25	38.7	11.7	0	.00	.00	0	.0	.00
PD 4548	861 C	5.87	41.4	11.5	0	.00	.00	0	.0	.00
ACALA SJ C-1	707 D	6.80	41.0	12.0	0	.00	.00	0	.0	.00

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MILAN, TN

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
STONEVILLE 825N	.00	.0	.0	.0	.0	.00	.00	.00	.0
MCNAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	.0
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	.0
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	.0
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	.0
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	.0
MCNAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	.0
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 150	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	.0
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	.0
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	.0
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	.0
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AMES PLANTN, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 150	953 A	6.42	39.1	13.0	0	.00	.00	0	.0	
MCHAIR 228	947 AB	6.05	40.7	11.5	0	.00	.00	0	.0	
PAYMASTER 145	923 AB	5.83	40.0	12.6	0	.00	.00	0	.0	
STONEVILLE 506	921 AB	6.85	40.4	12.3	0	.00	.00	0	.0	
GA T 72-56	912 AB	6.25	40.9	13.0	0	.00	.00	0	.0	
MCHAIR 235	895 ABC	6.17	41.3	12.8	0	.00	.00	0	.0	
DELTAPINE 90	890 ABC	5.58	41.0	11.3	0	.00	.00	0	.0	
COKER 208	872 ABCD	6.59	42.0	12.8	0	.00	.00	0	.0	
DELTAPINE 41	869 ABCD	6.54	42.0	12.9	0	.00	.00	0	.0	
STONEVILLE 825N	868 ABCD	6.61	40.5	13.0	0	.00	.00	0	.0	
COKER 3131	852 ABCD	6.00	42.9	12.5	0	.00	.00	0	.0	
COKER 315	842 BCD	6.57	43.8	12.3	0	.00	.00	0	.0	
DELTAPINE 62	840 BCD	6.94	40.1	13.0	0	.00	.00	0	.0	
STONEVILLE 213	792 CD	6.74	40.1	12.4	0	.00	.00	0	.0	
ACALA SJ C-1	777 D	6.98	39.6	13.7	0	.00	.00	0	.0	
PD 4548	650 E	5.68	37.7	13.1	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AMES PLANTN, TN

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 150	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 228	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825N	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	

SEE REPORTING VARIATIONS: PAGE 4



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 220	1224 A	6.17	39.4	10.5	149	1.14	.54	199	6.4	3.94
GA T 72-56	1217 A	6.34	40.2	11.1	145	1.14	.54	202	6.7	4.27
COKER 315	1216 A	6.12	42.4	10.4	152	1.19	.56	208	6.5	3.98
MCNAIR 235	1212 A	6.31	39.5	10.7	148	1.15	.55	204	6.4	4.05
DELTAPINE 90	1209 A	5.63	40.8	10.2	154	1.15	.55	221	7.1	4.29
COKER 208	1204 A	6.74	40.3	11.2	138	1.13	.55	193	6.2	4.37
COKER 3131	1179 AB	6.46	41.4	11.1	134	1.15	.54	188	7.7	4.00
DELTAPINE 50	1170 AB	6.04	38.1	11.0	132	1.15	.55	187	8.3	4.30
DELTAPINE 41	1153 AB	5.99	42.8	10.2	149	1.16	.56	202	7.1	4.02
STONEVILLE 506	1134 AB	6.04	38.6	11.0	139	1.16	.55	195	7.6	4.05
STONEVILLE 825	1131 AB	6.05	39.9	11.2	139	1.13	.54	188	6.2	4.48
STONEVILLE 213	1120 AB	6.84	39.7	11.1	130	1.13	.55	182	7.8	4.51
DELTAPINE 62	1120 AB	6.52	38.9	11.7	146	1.18	.56	202	7.1	4.33
PD 4548	1116 AB	5.95	40.2	11.3	0	.00	.00	0	.0	.00
PAYMASTER 145	1881 B	6.28	38.2	11.2	136	1.08	.54	199	7.1	4.13
ACALA SJ C-1	817 C	6.60	39.3	11.7	162	1.15	.57	230	6.6	3.98

1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 220	1.19	83.8	27.6	76.4	8.2	20.93	3.56	.78	4.8
GA T 72-56	1.20	83.6	27.7	78.8	8.4	19.94	3.62	.89	4.7
COKER 315	1.25	83.8	28.6	77.4	8.7	20.79	3.71	.82	4.5
MCNAIR 235	1.20	83.4	26.6	76.8	8.4	21.13	3.60	.79	4.9
DELTAPINE 90	1.18	83.5	30.6	76.1	8.4	21.22	3.60	.86	5.0
COKER 208	1.16	83.8	26.7	77.3	8.5	21.19	3.58	.79	4.3
COKER 3131	1.19	83.5	26.2	75.5	9.0	20.76	3.71	.84	4.8
DELTAPINE 50	1.20	83.2	25.5	78.0	8.5	20.79	3.48	.88	4.7
DELTAPINE 41	1.21	84.0	27.2	78.8	8.7	19.43	3.64	.77	4.9
STONEVILLE 506	1.22	83.4	27.3	76.8	8.5	19.63	3.54	.75	4.3
STONEVILLE 825	1.18	83.2	26.8	78.3	8.6	19.13	3.60	.83	4.2
STONEVILLE 213	1.17	83.7	25.2	76.6	8.9	19.37	3.59	.86	3.7
DELTAPINE 62	1.24	84.1	27.8	77.5	8.3	20.21	3.48	.81	4.2
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	.0
PAYMASTER 145	1.10	83.8	25.1	78.0	8.1	21.62	3.72	.80	4.9
ACALA SJ C-1	1.18	84.6	29.7	76.0	8.6	21.78	3.72	.65	4.1

SEE REPORTING VARIATIONS: PAGE 4

1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

COKER 218	6.74	A
ACALA SJ C-1	6.60	AB
DELTAPINE 62	6.52	ABC
COKER 3131	6.46	ABCD
GA T 72-56	6.34	BCDE
MCHAIR 235	6.31	BCDE
PAYMASTER 145	6.28	BCDE
MCHAIR 220	6.17	CDE
COKER 315	6.12	DE
STONEVILLE 825	6.05	E
STONEVILLE 213	6.04	E
STONEVILLE 506	6.04	E
DELTAPINE 50	6.04	E
DELTAPINE 41	5.99	EF
PD 4548	5.95	EF
DELTAPINE 90	5.63	F

LINT PCT

COKER 315	42.4	A
DELTAPINE 41	42.0	AB
COKER 3131	41.4	B
COKER 208	40.3	C
GA T 72-56	40.2	CD
PD 4548	40.2	CD
DELTAPINE 90	40.0	CD
STONEVILLE 825	39.9	CD
STONEVILLE 213	39.7	CDE
MCHAIR 235	39.5	CDEF
MCHAIR 220	39.4	CDEF
ACALA SJ C-1	39.3	DEF
DELTAPINE 62	38.9	EFG
STONEVILLE 506	38.6	FG
PAYMASTER 145	38.2	G
DELTAPINE 50	38.1	G

SEED INDEX

DELTAPINE 62	11.7	A
ACALA SJ C-1	11.7	A
PD 4548	11.3	AB
STONEVILLE 825	11.2	B
PAYMASTER 145	11.2	B
COKER 208	11.2	B
GA T 72-56	11.1	BC
COKER 3131	11.1	BC
STONEVILLE 213	11.0	BC
STONEVILLE 506	11.0	BC
DELTAPINE 50	11.0	BC
MCHAIR 235	10.7	CD
MCHAIR 220	10.5	DE
COKER 315	10.4	DE
DELTAPINE 41	10.2	E
DELTAPINE 90	10.2	E

YARN TENACITY

ACALA SJ C-1	162	A
DELTAPINE 90	154	B
COKER 315	152	BC
MCHAIR 220	149	BCD
DELTAPINE 41	149	BCD
MCHAIR 235	148	CD
DELTAPINE 62	146	D
GA T 72-56	145	D
STONEVILLE 825	139	E
STONEVILLE 506	139	E
COKER 208	138	E
PAYMASTER 145	136	EF
COKER 3131	134	EFG
DELTAPINE 50	132	FG
STONEVILLE 213	130	G
PD 4548	08	

FIBROGRAPH--2.5% S.L.

COKER 315	1.19	A
DELTAPINE 62	1.17	AB
DELTAPINE 41	1.16	BC
STONEVILLE 506	1.16	BC
MCHAIR 235	1.15	BCD
COKER 3131	1.15	BCD
DELTAPINE 50	1.15	BCD
MCHAIR 220	1.14	CD
GA T 72-56	1.14	CD
DELTAPINE 90	1.14	CD
ACALA SJ C-1	1.14	CD
STONEVILLE 213	1.13	D
STONEVILLE 825	1.13	D
COKER 208	1.13	D
PAYMASTER 145	1.08	E
PD 4548	0.00	

FIBROGRAPH--50% S.L.

ACALA SJ C-1	0.57	A
COKER 315	0.56	AB
DELTAPINE 41	0.56	AB
DELTAPINE 62	0.56	AB
STONEVILLE 213	0.55	AB
MCHAIR 235	0.55	AB
STONEVILLE 506	0.55	AB
DELTAPINE 90	0.55	AB
COKER 208	0.55	AB
DELTAPINE 50	0.55	AB
MCHAIR 220	0.54	B
GA T 72-56	0.54	B
STONEVILLE 825	0.54	B
PAYMASTER 145	0.54	B
COKER 3131	0.54	B
PD 4548	0.00	

SEE REPORTING VARIATIONS: PAGE 4



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

STELOMETER - T1

ACALA SJ C-1	238	A
DELTAPINE 90	221	B
COKER 315	208	C
MCNAIR 235	204	CD
GA T 72-56	202	CDE
DELTAPINE 41	202	CDE
DELTAPINE 62	202	CDE
MCNAIR 220	199	CDE
PAYMASTER 145	199	CDE
STONEVILLE 506	195	DEF
COKER 208	193	EF
STONEVILLE 825	188	FG
COKER 3131	188	FG
DELTAPINE 50	187	FG
STONEVILLE 213	182	G
PD 4548	00	

STELOMETER - E1

DELTAPINE 50	8.2	A
STONEVILLE 213	7.8	AB
STONEVILLE 506	7.6	B
COKER 3131	7.6	B
DELTAPINE 41	7.1	C
PAYMASTER 145	7.1	C
DELTAPINE 62	7.1	C
DELTAPINE 90	7.1	C
GA T 72-56	6.7	CD
ACALA SJ C-1	6.6	CDE
COKER 315	6.5	DE
MCNAIR 220	6.4	DE
MCNAIR 235	6.4	DE
STONEVILLE 825	6.2	DE
COKER 208	6.1	E
PD 4548	.0	

MICRONAIRE

STONEVILLE 213	4.51	A
STONEVILLE 825	4.48	A
COKER 208	4.37	AB
DELTAPINE 62	4.33	ABC
DELTAPINE 50	4.30	ABCD
DELTAPINE 90	4.29	ABCD
GA T 72-56	4.27	ABCDE
PAYMASTER 145	4.13	BCDE
MCNAIR 235	4.05	BCDE
STONEVILLE 506	4.05	BCDE
DELTAPINE 41	4.02	CDE
COKER 3131	4.00	CDE
COKER 315	3.98	DE
ACALA SJ C-1	3.98	DE
MCNAIR 220	3.94	E
PD 4548	0.00	

UHM (INCHES)

COKER 315	1.25	A
DELTAPINE 62	1.24	AB
STONEVILLE 506	1.22	BC
DELTAPINE 41	1.21	CD
GA T 72-56	1.20	CDE
MCNAIR 235	1.20	CDE
DELTAPINE 50	1.20	CDE
MCNAIR 220	1.19	CDEF
COKER 3131	1.19	CDEF
STONEVILLE 825	1.18	DEF
DELTAPINE 90	1.18	DEF
ACALA SJ C-1	1.18	DEF
STONEVILLE 213	1.17	EF
COKER 208	1.16	F
PAYMASTER 145	1.10	G
PD 4548	0.00	

UNIFORMITY (PERCENT)

ACALA SJ C-1	84.6	A
DELTAPINE 62	84.1	AB
DELTAPINE 41	84.0	ABC
MCNAIR 220	83.8	ABC
PAYMASTER 145	83.8	ABC
COKER 208	83.8	ABC
STONEVILLE 213	83.7	ABC
GA T 72-56	83.6	ABC
COKER 3131	83.5	BC
DELTAPINE 90	83.5	BC
MCNAIR 235	83.4	BC
STONEVILLE 506	83.4	BC
STONEVILLE 825	83.2	BC
DELTAPINE 50	83.2	BC
COKER 315	83.0	C
PD 4548	.0	

TENACITY (G/TEX)

DELTAPINE 90	30.6	A
ACALA SJ C-1	29.7	AB
COKER 315	28.6	BC
DELTAPINE 62	27.8	CD
GA T 72-56	27.7	CD
MCNAIR 220	27.6	CD
STONEVILLE 506	27.3	CDE
DELTAPINE 41	27.2	DE
COKER 208	26.7	DEF
MCNAIR 235	26.6	DEF
COKER 3131	26.2	EFG
STONEVILLE 825	26.0	EFG
DELTAPINE 50	25.5	FG
STONEVILLE 213	25.2	G
PAYMASTER 145	25.1	G
PD 4548	.0	

SEE REPORTING VARIATIONS: PAGE 4

1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

COLORIMETER -RD		COLORIMETER - B		OIL (PERCENT)	
DELTAPINE 41	78.7 A	COKER 3131	9.0 A	ACALA SJ C-1	21.77 A
STONEVILLE 825	78.3 AB	STONEVILLE 213	8.9 AB	PAYMASTER 145	21.62 AB
PAYMASTER 145	78.0 ABC	COKER 315	8.7 ABC	DELTAPINE 90	21.22 ABC
DELTAPINE 50	78.0 ABC	DELTAPINE 41	8.7 ABC	COKER 208	21.19 ABC
GA T 72-56	77.9 ABC	STONEVILLE 825	8.6 ABCD	MCHNAIR 235	21.13 ABC
COKER 315	77.4 ABCD	ACALA SJ C-1	8.6 ABCD	MCHNAIR 220	20.93 BCD
DELTAPINE 62	77.4 ABCD	STONEVILLE 506	8.5 BCDE	COKER 315	20.79 CD
COKER 208	77.3 ABCD	COKER 208	8.5 BCDE	DELTAPINE 50	20.79 CD
STONEVILLE 506	76.8 ABCD	DELTAPINE 50	8.5 BCDE	COKER 3131	20.76 CD
MCHNAIR 235	76.7 ABCD	GA T 72-56	8.4 CDE	DELTAPINE 62	20.21 DE
STONEVILLE 213	76.6 BCD	MCHNAIR 235	8.4 CDE	GA T 72-56	19.94 EF
MCHNAIR 220	76.4 BCD	DELTAPINE 90	8.4 CDE	STONEVILLE 506	19.62 EFG
DELTAPINE 90	76.1 CD	DELTAPINE 62	8.3 CDE	DELTAPINE 41	19.43 EFG
ACALA SJ C-1	76.0 CD	MCHNAIR 220	8.2 DE	STONEVILLE 213	19.37 FG
COKER 3131	75.4 D	PAYMASTER 145	8.1 E	STONEVILLE 825	19.13 G
PD 4548	.9	PD 4548	.8	PD 4548	0.00
NITROGEN (PERCENT)		FREE GOSSYPOL (PERCENT)		SEED GRADE	
PAYMASTER 145	3.72 A	DELTAPINE 50	0.88 A	DELTAPINE 90	5.0 A
ACALA SJ C-1	3.72 A	STONEVILLE 213	0.86 AB	MCHNAIR 235	4.9 AB
COKER 315	3.71 AB	DELTAPINE 90	0.86 AB	DELTAPINE 41	4.9 AB
COKER 3131	3.71 AB	COKER 3131	0.84 ABC	PAYMASTER 145	4.9 AB
DELTAPINE 41	3.64 ABC	STONEVILLE 825	0.83 ABC	MCHNAIR 220	4.8 AB
GA T 72-56	3.62 ABC	COKER 315	0.82 ABC	COKER 3131	4.8 AB
STONEVILLE 825	3.60 ABCD	DELTAPINE 62	0.81 ABC	GA T 72-56	4.7 ABC
DELTAPINE 90	3.60 ABCD	PAYMASTER 145	0.80 ABC	DELTAPINE 50	4.7 ABC
STONEVILLE 213	3.59 BCD	GA T 72-56	0.79 ABC	COKER 315	4.5 BCD
MCHNAIR 235	3.59 BCD	MCHNAIR 235	0.79 ABC	STONEVILLE 506	4.3 CD
COKER 208	3.58 CD	COKER 208	0.79 ABC	COKER 208	4.3 CD
MCHNAIR 220	3.56 CD	MCHNAIR 220	0.78 ABC	STONEVILLE 825	4.2 D
STONEVILLE 506	3.54 CD	DELTAPINE 41	0.77 BC	DELTAPINE 62	4.2 D
DELTAPINE 62	3.48 D	STONEVILLE 506	0.75 C	ACALA SJ C-1	4.1 DE
DELTAPINE 50	3.48 D	ACALA SJ C-1	0.65 D	STONEVILLE 213	3.7 E
PD 4548	0.00	PD 4548	0.00	PD 4548	.0

SEE REPORTING VARIATIONS: PAGE 4



1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
TIFTON,GA	1684 A	6.42	41.5	10.9	0	.00	.00	0	.0	.00
MIDVILLE,GA	1416 B	6.65	36.5	.0	149	1.18	.56	201	7.3	4.36
FLORENCE,SC	1340 C	5.92	42.2	9.7	136	1.08	.52	194	7.0	4.50
AUBURN,AL	1172 D	.00	40.7	10.6	136	1.13	.53	196	6.8	3.89
BELLE MINA,AL	1029 E	5.47	41.4	10.7	142	1.15	.56	197	7.2	4.21
MILAN,TN	960 E	6.69	40.2	11.7	0	.00	.00	0	.0	.00
JACKSON,TN	958 E	6.16	36.9	11.6	155	1.19	.59	211	6.6	3.94
ROCKY MOUNT,NC	874 F	5.97	38.8	10.0	0	.00	.00	0	.0	.00
AMES PLANTN,TN	863 F	6.36	40.7	12.6	0	.00	.00	0	.0	.00

1984 EASTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
TIFTON,GA	.00	.0	.0	.0	.0	.00	.00	.00	.0
MIDVILLE,GA	1.24	83.5	27.8	78.1	9.2	21.11	3.38	.88	4.3
FLORENCE,SC	1.12	83.3	27.4	80.6	8.2	20.72	3.65	.91	4.6
AUBURN,AL	1.18	82.9	25.7	70.4	7.7	19.25	3.66	.56	4.4
BELLE MINA,AL	1.19	84.0	25.4	78.0	8.8	21.56	3.39	.89	4.6
MILAN,TN	.00	.0	.0	.0	.0	.00	.00	.00	.0
JACKSON,TN	1.23	84.5	29.7	78.8	8.8	19.99	3.97	.76	4.8
ROCKY MOUNT,NC	.00	.0	.0	.0	.0	.00	.00	.00	.0
AMES PLANTN,TN	.00	.0	.0	.0	.0	.00	.00	.00	.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

TIFTON, GA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICR (Rea
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1921 A	5.83	42.8	9.7	0	.00	.00	0	.0	
DELTAPINE 41	1913 A	6.44	44.5	9.7	0	.00	.00	0	.0	
MCNAIR 235	1906 AB	6.58	42.1	10.1	0	.00	.00	0	.0	
PD 4548	1799 ABC	6.89	42.5	11.6	0	.00	.00	0	.0	
COKEK 315	1786 ABCD	5.78	43.7	10.2	0	.00	.00	0	.0	
MCNAIR 220	1762 BCD	6.28	40.5	10.6	0	.00	.00	0	.0	
GA T 72-56	1734 CDE	6.66	41.5	11.3	0	.00	.00	0	.0	
STONEVILLE 825	1702 CDE	6.30	41.5	11.4	0	.00	.00	0	.0	
COKEK 208	1701 CDE	7.02	42.6	11.1	0	.00	.00	0	.0	
DELTAPINE 50	1693 CDE	6.41	40.0	10.8	0	.00	.00	0	.0	
STONEVILLE 213	1683 CDE	6.36	40.8	11.3	0	.00	.00	0	.0	
DELTAPINE 62	1678 CDE	6.77	40.1	11.3	0	.00	.00	0	.0	
COKEK 3131	1633 DE	6.47	42.1	10.4	0	.00	.00	0	.0	
STONEVILLE 506	1586 EF	6.01	39.5	11.3	0	.00	.00	0	.0	
PAYMASTER 145	1486 F	6.15	39.4	11.2	0	.00	.00	0	.0	
ACALA SJ C-1	965 G	6.70	40.1	11.6	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

TIFTON, GA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
MCNAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	
COKEK 315	.00	.0	.0	.0	.0	.00	.00	.00	
MCNAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825	.00	.0	.0	.0	.0	.00	.00	.00	
COKEK 208	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 50	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	
COKEK 3131	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MIDVILLE, GA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (MH/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (MH/tex)	E1 (PERCENT)	
MCNAIR 220	1700 A	6.98	37.5	.0	149	1.18	.55	210	6.6	4.35
COKER 208	1693 A	7.31	37.5	.0	141	1.16	.57	198	6.4	4.80
MCNAIR 235	1587 AB	6.83	36.6	.0	159	1.22	.57	211	7.0	4.25
COKER 315	1484 AB	6.74	39.0	.0	160	1.23	.56	205	6.8	4.10
DELTAPINE 62	1476 AB	6.70	35.1	.0	153	1.19	.56	207	7.4	4.00
COKER 3131	1467 AB	7.44	37.7	.0	143	1.21	.55	189	7.5	4.20
STONEVILLE 213	1463 AB	6.40	36.3	.0	136	1.15	.55	180	8.3	4.85
GA T 72-56	1419 AB	6.99	37.4	.0	149	1.17	.54	200	6.7	4.95
DELTAPINE 41	1416 AB	6.05	38.1	.0	158	1.19	.57	205	7.9	4.20
STONEVILLE 506	1385 AB	6.41	35.2	.0	150	1.20	.58	197	7.9	4.30
DELTAPINE 90	1377 AB	5.63	34.9	.0	155	1.18	.55	229	7.6	4.30
PD 4548	1353 B	6.33	36.8	.0	0	.00	.00	0	.0	.00
DELTAPINE 50	1348 B	6.46	34.2	.0	136	1.17	.54	190	8.6	4.15
STONEVILLE 825	1323 B	6.12	36.6	.0	147	1.17	.55	193	6.6	4.85
PAYMASTER 145	1269 B	7.28	35.0	.0	141	1.11	.54	200	7.9	4.45
ACALA SJ C-1	889 C	6.70	35.4	.0	158	1.16	.55	207	7.4	3.65

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MIDVILLE, GA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 220	1.25	83.0	28.0	78.3	8.8	22.33	3.26	.91	4.5
COKER 208	1.18	84.0	27.5	77.5	9.6	22.07	3.28	.86	4.0
MCNAIR 235	1.29	83.5	27.5	79.8	9.1	21.77	3.37	.90	5.0
COKER 315	1.32	81.5	28.5	77.5	9.3	21.11	3.50	.93	4.0
DELTAPINE 62	1.28	83.0	29.0	79.3	8.6	20.45	3.21	.86	4.0
COKER 3131	1.27	83.5	27.5	76.0	9.5	21.41	3.56	.90	4.0
STONEVILLE 213	1.19	83.0	25.5	77.8	9.2	20.04	3.33	.98	3.0
GA T 72-56	1.22	84.5	27.0	78.8	9.1	21.93	3.27	.92	5.0
DELTAPINE 41	1.25	84.0	27.5	79.0	9.1	19.27	3.38	.79	4.5
STONEVILLE 506	1.27	84.0	28.0	77.8	9.2	20.57	3.38	.82	4.0
DELTAPINE 90	1.21	83.5	30.0	75.3	9.2	21.21	3.37	.90	5.0
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 50	1.22	83.0	29.0	78.0	8.8	20.91	3.28	.99	5.0
STONEVILLE 825	1.22	83.0	27.0	78.9	9.3	19.67	3.41	.98	4.0
PAYMASTER 145	1.18	84.5	24.5	79.5	8.9	22.71	3.53	.88	5.0
ACALA SJ C-1	1.21	84.0	30.0	78.0	9.8	21.25	3.52	.65	4.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

FLORENCE, SC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
COKER 3131	1560 A	6.06	44.4	9.9	124	1.09	.53	180	7.9	4.
COKER 315	1524 AB	6.00	45.4	8.9	143	1.09	.49	203	6.8	4.
COKER 208	1483 ABC	6.16	42.4	9.5	130	1.02	.48	184	6.2	4.
PD 4548	1481 ABC	5.50	43.1	9.8	0	.00	.00	0	.8	.
MCHAIR 235	1464 ABC	6.22	41.8	9.3	139	1.09	.53	200	6.2	4.
GA T 72-56	1440 BCD	6.13	43.0	9.7	138	1.08	.52	203	7.0	4.
MCHAIR 220	1398 CDE	5.79	41.8	9.1	148	1.08	.52	195	6.0	4.
DELTAPINE 90	1355 DEF	5.23	42.6	8.6	144	1.06	.51	207	7.1	4.
DELTAPINE 50	1336 EFG	5.96	39.9	9.9	120	1.10	.52	183	8.6	4.
PAYMASTER 145	1282 FGH	5.98	39.3	10.5	131	1.05	.53	197	6.8	4.
DELTAPINE 41	1258 GHI	5.48	44.2	8.7	139	1.10	.54	183	7.5	4.
DELTAPINE 62	1252 GHI	6.46	41.3	10.3	145	1.13	.54	205	7.6	4.
STONEVILLE 825	1224 HI	5.73	41.9	9.8	132	1.06	.49	183	6.1	4.
STONEVILLE 506	1218 HI	5.54	40.8	9.8	132	1.09	.53	189	7.6	4.
STONEVILLE 213	1178 I	5.60	42.2	9.6	121	1.07	.52	176	8.3	4.
ACALA SJ C-1	993 J	6.95	40.6	11.3	152	1.09	.54	231	6.2	4.

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

FLORENCE, SC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grad
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
COKER 3131	1.12	83.0	25.5	78.3	9.0	20.84	3.69	.96	
COKER 315	1.15	82.0	28.0	82.0	8.1	21.43	3.64	.98	
COKER 208	1.09	83.0	26.0	82.3	7.9	20.70	3.65	.82	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	1.12	83.0	27.0	76.3	8.0	21.62	3.54	.92	
GA T 72-56	1.13	83.0	28.5	82.5	8.1	19.53	3.68	.88	
MCHAIR 220	1.13	84.0	29.5	82.3	7.7	20.30	3.59	.80	
DELTAPINE 90	1.09	83.0	30.0	78.8	8.5	21.70	3.70	1.04	
DELTAPINE 50	1.16	83.5	26.0	82.3	8.1	21.63	3.58	1.02	
PAYMASTER 145	1.06	84.0	25.5	81.5	7.9	21.86	3.64	.99	
DELTAPINE 41	1.14	83.5	27.5	82.3	8.1	19.03	3.81	.83	
DELTAPINE 62	1.19	84.0	29.0	80.3	8.4	20.37	3.71	.90	
STONEVILLE 825	1.14	83.0	27.0	83.5	8.0	19.75	3.73	.97	
STONEVILLE 506	1.15	82.5	27.0	81.0	8.4	20.22	3.62	.90	
STONEVILLE 213	1.10	83.0	25.5	78.3	8.7	19.34	3.71	.97	
ACALA SJ C-1	1.12	84.5	29.5	78.3	8.1	22.48	3.54	.70	

SEE REPORTING VARIATIONS: PAGE 4.



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AUBURN, AL

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
GA T 72-56	1431 A	.00	40.2	11.0	143	1.14	.54	201	6.9	3.75
COKER 315	1317 AB	.00	41.9	10.7	143	1.17	.55	207	6.1	3.85
COKER 208	1313 AB	.00	40.4	10.8	133	1.13	.53	187	6.2	3.90
DELTAPINE 90	1245 AB	.00	40.3	9.8	145	1.16	.55	213	6.9	3.90
MCNAIR 220	1217 AB	.00	40.1	10.1	139	1.13	.50	196	6.5	3.55
COKER 3131	1172 AB	.00	42.1	10.8	127	1.14	.53	184	7.4	3.70
PD 4548	1166 AB	.00	40.9	10.8	0	.00	.00	0	.0	.00
MCNAIR 235	1134 B	.00	40.4	10.4	139	1.11	.51	194	6.2	3.70
DELTAPINE 50	1133 B	.00	38.4	10.5	128	1.15	.55	181	7.6	4.10
PAYMASTER 145	1130 B	.00	38.8	10.8	127	1.06	.51	194	6.6	3.60
DELTAPINE 41	1112 B	.00	44.4	9.8	144	1.15	.52	199	6.8	3.90
STONEVILLE 213	1108 B	.00	42.2	10.4	121	1.09	.53	180	7.2	4.15
STONEVILLE 506	1096 B	.00	39.7	10.6	131	1.14	.53	195	7.7	3.95
ACALA SJ C-1	1069 B	.00	40.6	11.6	158	1.15	.54	238	6.8	3.85
DELTAPINE 62	1063 B	.00	39.0	11.5	135	1.16	.54	192	7.3	4.10
STONEVILLE 825	1052 B	.00	42.0	10.4	129	1.10	.51	181	6.2	4.40

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AUBURN, AL

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
GA T 72-56	1.21	83.5	27.0	71.0	7.5	17.91	3.73	.57	4.0
COKER 315	1.22	83.0	27.5	70.3	7.9	19.36	3.75	.56	4.5
COKER 208	1.15	83.5	24.5	69.3	7.4	19.67	3.63	.60	4.0
DELTAPINE 90	1.21	83.0	28.5	71.8	7.7	20.16	3.58	.64	5.0
MCNAIR 220	1.16	83.0	25.0	67.3	7.0	19.75	3.70	.58	5.0
COKER 3131	1.17	83.0	25.0	68.0	8.2	19.45	3.81	.51	5.0
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	.0
MCNAIR 235	1.17	82.5	24.5	73.0	7.6	19.47	3.75	.42	5.0
DELTAPINE 50	1.21	83.5	22.5	70.5	7.7	19.62	3.46	.64	4.0
PAYMASTER 145	1.07	83.0	24.0	70.5	7.2	19.54	3.81	.55	4.5
DELTAPINE 41	1.20	82.5	26.5	74.8	8.4	19.74	3.64	.66	5.0
STONEVILLE 213	1.13	82.0	24.5	70.0	8.3	17.84	3.56	.65	3.5
STONEVILLE 506	1.18	81.5	27.0	69.5	7.8	17.98	3.54	.49	4.0
ACALA SJ C-1	1.19	84.0	29.0	68.0	7.4	21.36	3.76	.48	4.0
DELTAPINE 62	1.22	83.0	26.0	70.3	7.1	19.25	3.59	.53	4.0
STONEVILLE 825	1.16	82.5	24.0	71.8	8.2	17.70	3.54	.59	4.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

BELLE MINA, AL

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICR (Rea)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1154 A	5.36	42.8	11.2	158	1.14	.54	216	6.9	4
STONEVILLE 506	1123 A	4.75	40.4	10.1	134	1.16	.55	190	7.9	3
DELTAPINE 50	1121 A	5.39	40.5	10.9	128	1.17	.57	180	8.6	4
COKER 208	1097 AB	6.30	41.9	11.3	136	1.16	.58	192	6.5	4
GA T 72-56	1090 ABC	5.37	41.5	10.3	147	1.14	.55	202	6.6	4
PD 4548	1079 ABC	6.34	40.4	11.8	0	.00	.00	0	.0	
STONEVILLE 213	1071 ABC	5.28	41.0	10.9	131	1.15	.56	177	8.4	4
COKER 3131	1059 ABC	5.25	43.6	10.8	134	1.14	.55	191	8.0	3
COKER 315	1049 ABC	5.43	45.0	9.7	147	1.21	.58	195	6.4	3
DELTAPINE 62	1038 ABC	6.08	41.3	11.3	135	1.16	.56	193	7.2	4
MCHAIR 220	1025 ABC	5.46	41.4	10.5	148	1.16	.56	195	7.1	3
STONEVILLE 825	1016 ABC	4.89	41.4	10.6	136	1.13	.54	188	6.5	4
MCHAIR 235	994 ABC	5.65	39.0	10.7	146	1.16	.56	207	6.5	4
PAYMASTER 145	915 ABC	5.16	39.0	10.9	140	1.08	.54	193	7.8	3
DELTAPINE 41	825 BC	4.89	43.0	9.5	145	1.16	.55	203	7.2	3
ACALA SJ C-1	803 C	5.98	40.8	11.3	161	1.14	.56	232	6.0	4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

BELLE MINA, AL

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 90	1.19	84.0	30.0	76.5	8.0	21.84	3.49	.93	
STONEVILLE 506	1.22	85.0	25.0	77.8	8.3	20.75	3.33	.91	
DELTAPINE 50	1.19	83.5	23.5	80.3	9.2	22.25	3.27	.94	
COKER 208	1.18	84.5	26.0	79.0	8.9	22.84	3.29	.88	
GA T 72-56	1.20	83.0	26.5	78.5	8.9	20.69	3.37	.81	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	1.20	85.5	23.0	78.0	8.9	20.00	3.35	.95	
COKER 3131	1.18	83.5	24.5	76.8	9.0	22.25	3.50	.93	
COKER 315	1.28	84.0	27.0	77.3	9.2	21.67	3.51	.92	
DELTAPINE 62	1.22	84.5	25.5	77.8	9.0	21.42	3.26	.98	
MCHAIR 220	1.18	84.5	25.0	76.0	8.6	22.34	3.29	.83	
STONEVILLE 825	1.16	82.5	23.5	77.8	8.7	19.73	3.42	.96	
MCHAIR 235	1.20	83.5	25.5	76.5	8.5	22.38	3.36	.86	
PAYMASTER 145	1.09	83.5	24.5	80.5	8.2	22.75	3.45	.92	
DELTAPINE 41	1.21	84.0	24.5	78.5	9.0	19.81	3.41	.88	
ACALA SJ C-1	1.16	85.0	26.5	78.3	9.3	22.72	3.58	.62	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

JACKSON, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1092 A	5.94	37.0	10.7	167	1.19	.57	240	6.9	3.95
STONEVILLE 825	1062 AB	6.46	37.1	11.9	150	1.21	.60	197	5.8	4.30
MCNAIR 235	1019 ABC	6.46	36.1	11.4	159	1.19	.58	210	6.3	3.65
COKER 3131	999 ABC	6.98	37.5	12.4	143	1.18	.57	198	7.5	3.75
MCNAIR 220	995 ABC	6.09	36.1	11.4	161	1.18	.58	198	6.1	3.75
DELTAPINE 50	992 ABC	5.44	35.7	11.2	148	1.18	.55	203	8.0	3.95
GA T 72-56	982 BC	6.20	36.5	11.8	150	1.19	.57	206	6.6	4.15
STONEVILLE 506	981 BC	5.75	35.0	11.3	146	1.20	.57	206	6.8	3.70
COKER 315	966 BC	6.13	38.4	11.4	166	1.23	.61	229	6.6	3.65
STONEVILLE 213	961 BC	5.83	37.8	11.4	144	1.20	.58	195	6.8	4.30
DELTAPINE 41	957 BC	6.12	38.1	10.8	161	1.21	.60	218	6.2	3.80
DELTAPINE 62	953 C	5.94	36.4	11.8	162	1.24	.60	216	6.7	4.00
PAYMASTER 145	935 C	6.50	36.6	11.6	143	1.09	.56	211	6.6	4.35
COKER 208	840 D	6.83	36.7	12.3	150	1.18	.60	207	5.5	4.05
PD 4548	809 D	5.50	37.6	11.9	0	.00	.00	0	.0	.00
ACALA SJ C-1	783 D	6.37	37.0	11.8	182	1.20	.63	241	6.7	3.75

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

JACKSON, TN

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
DELTAPINE 90	1.22	84.0	34.5	78.3	8.7	21.18	3.89	.80	5.0
STONEVILLE 825	1.24	85.0	28.5	80.0	8.9	18.79	3.92	.65	5.0
MCNAIR 235	1.24	84.5	28.5	78.3	8.9	20.43	3.96	.85	5.0
COKER 3131	1.20	84.5	28.5	78.3	9.3	19.88	4.01	.90	5.0
MCNAIR 220	1.22	84.5	30.5	78.3	8.8	19.93	3.98	.80	5.0
DELTAPINE 50	1.22	82.5	26.5	79.0	8.7	19.65	3.84	.81	5.0
GA T 72-56	1.23	84.0	29.5	79.0	8.6	19.64	4.04	.81	5.0
STONEVILLE 506	1.26	84.0	29.5	78.3	9.0	18.60	3.85	.65	4.5
COKER 315	1.29	84.5	32.0	80.0	9.0	20.39	4.14	.73	5.0
STONEVILLE 213	1.23	85.0	27.5	79.0	9.2	19.63	3.98	.76	4.0
DELTAPINE 41	1.25	86.0	30.0	79.3	9.1	19.27	3.96	.71	5.0
DELTAPINE 62	1.31	86.0	29.5	79.8	8.6	19.54	3.63	.79	4.0
PAYMASTER 145	1.09	84.0	27.0	78.0	8.3	21.22	4.17	.66	5.0
COKER 208	1.20	84.0	29.5	78.8	8.7	20.68	4.04	.77	5.0
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	.0
ACALA SJ C-1	1.23	85.5	33.5	77.5	8.6	21.07	4.19	.81	4.5

SEE REPORTING VARIATIONS: PAGE 4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

ROCKY MOUNT, NC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Rea)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 41	1054 A	5.91	42.7	9.3	0	.00	.00	0	.0	
DELTAPINE 50	979 AB	5.91	36.6	10.3	0	.00	.00	0	.0	
COKER 315	970 ABC	6.04	41.8	9.2	0	.00	.00	0	.0	
MCHAIR 220	938 BCD	6.19	38.1	9.8	0	.00	.00	0	.0	
GA T 72-56	931 BCDE	6.04	38.5	10.1	0	.00	.00	0	.0	
MCHAIR 235	921 BCDE	5.81	38.5	9.6	0	.00	.00	0	.0	
COKER 208	917 BCDE	6.70	39.0	10.3	0	.00	.00	0	.0	
STONEVILLE 506	906 BCDEF	5.85	37.5	10.2	0	.00	.00	0	.0	
DELTAPINE 90	886 BCDEF	5.69	38.6	9.3	0	.00	.00	0	.0	
STONEVILLE 825	883 BCDEF	5.71	37.5	10.3	0	.00	.00	0	.0	
PAYMASTER 145	882 BCDEF	6.10	36.8	10.2	0	.00	.00	0	.0	
COKER 3131	866 CDEF	6.00	40.4	9.9	0	.00	.00	0	.0	
PD 4548	847 DEF	5.48	41.4	10.0	0	.00	.00	0	.0	
STONEVILLE 213	828 EF	5.73	37.2	10.2	0	.00	.00	0	.0	
DELTAPINE 62	804 F	6.09	38.0	10.7	0	.00	.00	0	.0	
ACALA SJ C-1	365 G	6.30	38.2	10.2	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

ROCKY MOUNT, NC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grac
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 50	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MILAN, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Reading)
STONEVILLE 825	1053 A	6.57	40.1	12.2	0	.00	.00	0	.0	.00
MCHAIR 220	1037 A	6.54	38.3	11.3	0	.00	.00	0	.0	.00
GA T 72-56	1011 AB	7.04	42.3	11.8	0	.00	.00	0	.0	.00
COKER 315	1010 AB	6.31	42.5	10.9	0	.00	.00	0	.0	.00
COKER 3131	1003 AB	7.47	42.3	11.8	0	.00	.00	0	.0	.00
STONEVILLE 213	992 AB	6.42	39.4	12.3	0	.00	.00	0	.0	.00
MCHAIR 235	990 AB	6.76	39.9	11.3	0	.00	.00	0	.0	.00
STONEVILLE 506	989 AB	7.15	38.7	12.5	0	.00	.00	0	.0	.00
DELTAPINE 50	976 AB	6.35	38.8	11.3	0	.00	.00	0	.0	.00
DELTAPINE 41	974 AB	6.48	41.4	10.8	0	.00	.00	0	.0	.00
DELTAPINE 62	973 AB	7.21	38.9	13.3	0	.00	.00	0	.0	.00
DELTAPINE 90	961 AB	5.81	40.1	11.3	0	.00	.00	0	.0	.00
COKER 208	921 BC	7.04	39.9	12.1	0	.00	.00	0	.0	.00
PAYMASTER 145	907 BC	7.25	38.7	11.7	0	.00	.00	0	.0	.00
PD 4548	861 C	5.87	41.4	11.5	0	.00	.00	0	.0	.00
ACALA SJ C-1	707 D	6.80	41.0	12.0	0	.00	.00	0	.0	.00

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

MILAN, TN

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
STONEVILLE 825	.00	.0	.0	.0	.0	.00	.00	.00	.0
MCHAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	.0
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	.0
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	.0
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	.0
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	.0
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	.0
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 50	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	.0
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	.0
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	.0
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	.0
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	.0
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AMES PLANTN, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 50	953 A	6.42	39.1	13.0	0	.00	.00	0	.0	
MCAIR 220	947 AB	6.05	40.7	11.5	0	.00	.00	0	.0	
PAYMASTER 145	923 AB	5.83	40.0	12.6	0	.00	.00	0	.0	
STONEVILLE 506	921 AB	6.85	40.4	12.3	0	.00	.00	0	.0	
GA T 72-56	912 AB	6.25	40.9	13.0	0	.00	.00	0	.0	
MCAIR 235	895 ABC	6.17	41.3	12.8	0	.00	.00	0	.0	
DELTAPINE 90	890 ABC	5.58	41.0	11.3	0	.00	.00	0	.0	
COKER 208	872 ABCD	6.59	42.0	12.8	0	.00	.00	0	.0	
DELTAPINE 41	869 ABCD	6.54	42.0	12.9	0	.00	.00	0	.0	
STONEVILLE 825	868 ABCD	6.61	40.5	13.0	0	.00	.00	0	.0	
COKER 3131	852 ABCD	6.00	42.9	12.5	0	.00	.00	0	.0	
COKER 315	842 BCD	6.57	43.8	12.3	0	.00	.00	0	.0	
DELTAPINE 62	840 BCD	6.94	40.1	13.0	0	.00	.00	0	.0	
STONEVILLE 213	792 CD	6.74	40.1	12.4	0	.00	.00	0	.0	
ACALA SJ C-1	777 D	6.98	39.6	13.7	0	.00	.00	0	.0	
PD 4548	650 E	5.68	37.7	13.1	0	.00	.00	0	.0	

## 1984 EASTERN REGIONAL COTTON VARIETY TEST

AMES PLANTN, TN

VARIETY	HIGH-VOLUME INSTRUMENT			Rd	COLORIMETER HUNTER'S b value	OIL (percent)	Seed Data		Seed Grad
	LHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 50	.00	.0	.0	.0	.0	.00	.00	.00	
MCAIR 220	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
GA T 72-56	.00	.0	.0	.0	.0	.00	.00	.00	
MCAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 208	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 315	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 62	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	
PD 4548	.00	.0	.0	.0	.0	.00	.00	.00	

SEE REPORTING VARIATIONS: PAGE 4



1984 DELTA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1195 A	5.84	39.8	10.6	141	1.12	.55	192	5.8	4.36
DELTAPINE 41	1172 A	5.78	41.8	9.7	137	1.16	.56	186	6.2	4.39
STONEVILLE 506	1131 AB	6.23	37.5	11.6	132	1.14	.53	177	6.4	4.49
STONEVILLE 825N	1122 AB	5.94	38.7	11.2	134	1.14	.54	186	5.7	4.77
COKER 3131	1120 AB	6.37	39.9	11.3	132	1.16	.55	180	6.6	4.27
DES 422	1118 AB	5.66	39.2	10.7	133	1.16	.54	183	6.4	4.35
DELTAPINE 90	1116 AB	5.62	39.5	10.1	142	1.16	.56	194	6.1	4.59
STONEVILLE 213	1079 AB	5.92	38.6	10.7	132	1.13	.54	180	6.5	4.47
PAYMASTER 145	1002 B	5.92	36.9	11.3	132	1.09	.54	185	6.0	4.29
ACALA SJ C-1	713 C	6.62	38.5	11.7	156	1.14	.56	214	5.9	4.26

1984 DELTA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 235	1.16	83.9	25.5	73.6	8.2	23.46	3.43	.91	5.0
DELTAPINE 41	1.22	84.0	25.4	74.4	8.7	21.18	3.51	.97	4.8
STONEVILLE 506	1.20	83.3	25.8	75.1	8.6	21.80	3.48	.92	4.3
STONEVILLE 825N	1.20	83.9	26.4	75.4	8.9	21.89	3.46	1.02	4.3
COKER 3131	1.20	83.3	25.0	74.1	8.8	22.23	3.50	.90	4.5
DES 422	1.22	83.5	24.5	74.1	8.3	22.31	3.44	1.03	4.7
DELTAPINE 90	1.20	83.9	26.9	74.9	8.4	22.32	3.42	1.03	4.3
STONEVILLE 213	1.19	83.6	23.9	75.4	8.7	21.42	3.37	1.13	4.0
PAYMASTER 145	1.13	83.4	24.5	74.5	8.3	22.39	3.60	.87	4.7
ACALA SJ C-1	1.20	85.1	28.3	73.8	8.6	23.47	3.56	.65	4.0

1984 DELTA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

ACALA SJ C-1	6.62	A
COKER 3131	6.37	AB
STONEVILLE 506	6.23	ABC
STONEVILLE 825N	5.94	BC
STONEVILLE 213	5.92	BC
PAYMASTER 145	5.92	BC
MCNAIR 235	5.84	BC
DELTAPINE 41	5.77	BC
DES 422	5.66	C
DELTAPINE 90	5.62	C

LINT PCT

DELTAPINE 41	41.8	A
COKER 3131	39.9	B
MCNAIR 235	39.8	BC
DELTAPINE 90	39.5	BC
DES 422	39.2	BC
STONEVILLE 825N	38.7	BCD
STONEVILLE 213	38.6	BCD
ACALA SJ C-1	38.5	CD
STONEVILLE 506	37.5	DE
PAYMASTER 145	36.8	E

SEED INDEX

ACALA SJ C-1	11.7	A
STONEVILLE 506	11.6	AB
PAYMASTER 145	11.3	AB
COKER 3131	11.3	AB
STONEVILLE 825N	11.2	B
STONEVILLE 213	10.7	C
DES 422	10.7	C
MCNAIR 235	10.6	C
DELTAPINE 90	10.1	D
DELTAPINE 41	9.7	D

YARN TENACITY

ACALA SJ C-1	156	A
DELTAPINE 90	142	B
MCNAIR 235	141	BC
DELTAPINE 41	137	BC
STONEVILLE 825N	134	BC
DES 422	133	BC
STONEVILLE 213	132	C
STONEVILLE 506	132	C
PAYMASTER 145	132	C
COKER 3131	132	C

FIBROGRAPH--2.5% S.L.

DELTAPINE 41	1.16	A
DELTAPINE 90	1.16	A
COKER 3131	1.15	AB
DES 422	1.15	AB
STONEVILLE 825N	1.14	AB
STONEVILLE 506	1.14	AB
ACALA SJ C-1	1.14	AB
STONEVILLE 213	1.13	AB
MCNAIR 235	1.12	B
PAYMASTER 145	1.09	C

FIBROGRAPH--50% S.L.

DELTAPINE 41	0.56	A
DELTAPINE 90	0.56	A
ACALA SJ C-1	0.56	A
MCNAIR 235	0.55	A
COKER 3131	0.55	A
STONEVILLE 213	0.54	A
STONEVILLE 825N	0.54	A
PAYMASTER 145	0.54	A
DES 422	0.54	A
STONEVILLE 506	0.53	A

STELOMETER - T1

ACALA SJ C-1	214	A
DELTAPINE 90	194	B
MCNAIR 235	192	BC
STONEVILLE 825N	186	BC
DELTAPINE 41	186	BC
PAYMASTER 145	185	BC
DES 422	183	BC
STONEVILLE 213	180	BC
COKER 3131	180	BC
STONEVILLE 506	177	C

STELOMETER - E1

COKER 3131	6.6	A
STONEVILLE 213	6.5	AB
STONEVILLE 506	6.4	ABC
DES 422	6.4	ABC
DELTAPINE 41	6.2	ABCD
DELTAPINE 90	6.1	ABCD
PAYMASTER 145	6.0	ABCD
ACALA SJ C-1	5.9	BCD
MCNAIR 235	5.8	CD
STONEVILLE 825N	5.7	D

MICRONAIRE

STONEVILLE 825N	4.77	A
DELTAPINE 90	4.59	AB
STONEVILLE 506	4.49	BC
STONEVILLE 213	4.47	BC
DELTAPINE 41	4.39	BC
MCNAIR 235	4.36	BC
DES 422	4.35	BC
PAYMASTER 145	4.29	C
COKER 3131	4.27	C
ACALA SJ C-1	4.26	C



1984 DELTA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

UHM (INCHES)	
DELTAPINE 41	1.22 A
DES 422	1.22 A
STONEVILLE 825N	1.20 AB
STONEVILLE 506	1.20 AB
DELTAPINE 90	1.20 AB
ACALA SJ C-1	1.20 AB
COKER 3131	1.19 AB
STONEVILLE 213	1.18 AB
MCHNAIR 235	1.16 BC
PAYMASTER 145	1.13 C

UNIFORMITY (PERCENT)	
ACALA SJ C-1	85.1 A
DELTAPINE 41	84.0 B
MCHNAIR 235	83.9 B
STONEVILLE 825N	83.9 B
DELTAPINE 90	83.9 B
STONEVILLE 213	83.6 B
DES 422	83.5 B
PAYMASTER 145	83.4 B
STONEVILLE 506	83.2 B
COKER 3131	83.2 B

TENACITY (G/TEX)	
ACALA SJ C-1	28.2 A
DELTAPINE 90	26.9 AB
STONEVILLE 825N	26.4 ABC
STONEVILLE 506	25.7 BCD
MCHNAIR 235	25.5 BCD
DELTAPINE 41	25.4 BCD
COKER 3131	25.0 BCD
PAYMASTER 145	24.5 CD
DES 422	24.5 CD
STONEVILLE 213	23.9 D

COLORIMETER -RD	
STONEVILLE 213	75.4 A
STONEVILLE 825N	75.4 A
STONEVILLE 506	75.1 A
DELTAPINE 90	74.9 A
PAYMASTER 145	74.5 A
DELTAPINE 41	74.4 A
COKER 3131	74.1 A
DES 422	74.1 A
ACALA SJ C-1	73.7 A
MCHNAIR 235	73.6 A

COLORIMETER - B	
STONEVILLE 825N	8.9 A
COKER 3131	8.8 AB
STONEVILLE 213	8.7 ABC
DELTAPINE 41	8.7 ABC
ACALA SJ C-1	8.6 ABC
STONEVILLE 506	8.5 ABC
DELTAPINE 90	8.4 ABC
DES 422	8.3 BC
MCHNAIR 235	8.2 C
PAYMASTER 145	8.2 C

OIL (PERCENT)	
ACALA SJ C-1	23.47 A
MCHNAIR 235	23.46 A
PAYMASTER 145	22.39 AB
DELTAPINE 90	22.32 AB
DES 422	22.31 AB
COKER 3131	22.23 AB
STONEVILLE 825N	21.89 AB
STONEVILLE 506	21.80 AB
STONEVILLE 213	21.42 B
DELTAPINE 41	21.17 B

NITROGEN (PERCENT)	
PAYMASTER 145	3.60 A
ACALA SJ C-1	3.56 AB
DELTAPINE 41	3.51 AB
COKER 3131	3.50 AB
STONEVILLE 506	3.48 AB
STONEVILLE 825N	3.46 AB
DES 422	3.44 AB
MCHNAIR 235	3.42 AB
DELTAPINE 90	3.41 AB
STONEVILLE 213	3.37 B

FREE GOSSYPOL (PERCENT)	
STONEVILLE 213	1.13 A
DELTAPINE 90	1.03 AB
DES 422	1.03 AB
STONEVILLE 825N	1.02 AB
DELTAPINE 41	0.97 AB
STONEVILLE 506	0.92 B
MCHNAIR 235	0.91 B
COKER 3131	0.90 B
PAYMASTER 145	0.87 B
ACALA SJ C-1	0.65 C

SEED GRADE	
MCHNAIR 235	5.0 A
DELTAPINE 41	4.8 A
PAYMASTER 145	4.7 A
DES 422	4.7 A
COKER 3131	4.5 A
STONEVILLE 825N	4.3 A
STONEVILLE 506	4.3 A
DELTAPINE 90	4.3 A
STONEVILLE 213	4.0 A
ACALA SJ C-1	4.0 A

1984 DELTA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRON (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
ST JOS, LA	1667 A	5.51	42.8	9.8	139	1.11	.54	187	6.1	4.4
STONEVILLE, MS	1451 B	5.90	39.3	11.1	140	1.15	.55	192	6.2	4.2
PORTAGEVILLE, MO	1034 C	6.55	39.5	11.8	124	1.13	.53	176	6.0	4.5
ROHWER, AR	689 D	.00	35.6	.0	0	.00	.00	0	.0	.0
CLARKDALE, AR	544 E	.00	38.0	.0	144	1.16	.57	194	6.4	4.4

1984 DELTA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value		NITROGEN (percent)	FREE GOSSYPOL (percent)	
ST JOS, LA	1.16	84.0	24.1	76.6	8.0	22.65	3.23	1.00	4
STONEVILLE, MS	1.20	84.0	25.5	76.5	9.0	20.69	3.60	.92	4
PORTAGEVILLE, MO	1.19	83.2	26.8	67.4	8.1	23.41	3.61	.91	4
ROHWER, AR	.00	.0	.0	.0	.0	.00	.00	.00	
CLARKDALE, AR	1.21	84.0	26.0	77.6	9.1	.00	.00	.00	



## 1984 DELTA REGIONAL COTTON VARIETY TEST

ST JOS, LA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 41	1946 A	5.50	46.4	8.8	143	1.13	.54	199	6.0	4.45
DELTAPINE 90	1876 AB	5.42	43.7	9.0	143	1.12	.53	193	6.4	4.60
STONEVILLE 506	1769 BC	5.35	40.5	10.5	133	1.13	.54	187	6.7	4.45
MCHAIR 235	1763 BC	5.13	42.8	9.3	144	1.10	.54	193	5.6	4.45
DES 422	1763 BC	5.25	43.3	9.5	136	1.13	.54	190	6.0	4.35
STONEVILLE 825N	1734 BC	5.46	41.8	10.1	134	1.11	.53	183	5.7	4.75
COKER 3131	1728 C	5.63	43.8	10.1	130	1.10	.51	171	6.3	4.35
STONEVILLE 213	1707 C	5.40	43.8	9.7	126	1.09	.53	167	6.8	4.80
PAYMASTER 145	1420 D	5.57	39.9	10.6	141	1.07	.54	178	6.0	4.10
ACALA SJ C-1	959 E	6.41	41.8	10.4	159	1.11	.56	213	6.2	4.25

## 1984 DELTA REGIONAL COTTON VARIETY TEST

ST JOS, LA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 41	1.19	84.5	24.8	78.3	7.9	20.92	3.23	1.07	5.0
DELTAPINE 90	1.15	83.0	26.0	76.8	7.9	23.15	3.22	1.08	5.0
STONEVILLE 506	1.18	84.0	26.0	77.3	7.8	23.36	3.12	1.00	4.8
MCHAIR 235	1.14	84.0	23.5	76.0	7.9	23.35	3.17	.81	5.0
DES 422	1.21	84.5	23.5	74.5	7.5	23.07	3.15	1.19	5.0
STONEVILLE 825N	1.18	83.5	24.5	76.5	7.8	22.05	3.20	1.21	5.0
COKER 3131	1.13	83.5	22.5	74.8	8.4	23.43	3.29	.97	5.0
STONEVILLE 213	1.14	84.0	22.5	77.5	8.7	21.14	3.18	1.19	4.0
PAYMASTER 145	1.09	83.5	22.0	76.8	7.3	22.48	3.50	.81	5.0
ACALA SJ C-1	1.15	85.0	26.5	78.0	8.4	23.54	3.22	.68	4.0

## 1984 DELTA REGIONAL COTTON VARIETY TEST

STONEVILLE, MS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reac
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DES 422	1609 A	5.77	40.0	11.1	134	1.17	.55	184	6.3	4.
MCNAIR 235	1575 AB	6.06	38.5	11.1	146	1.16	.55	192	5.7	4.
STONEVILLE 506	1553 AB	5.79	38.3	11.6	142	1.13	.51	174	6.5	4.
STONEVILLE 213	1529 AB	5.67	39.3	10.8	128	1.13	.54	191	6.7	4.
DELTAPINE 90	1510 AB	5.70	40.3	10.3	150	1.18	.58	209	6.3	4.
COKER 3131	1506 AB	6.38	40.0	11.5	139	1.16	.56	193	6.9	3.
DELTAPINE 41	1489 AB	5.73	42.2	9.8	141	1.17	.57	189	6.2	4.
STONEVILLE 825H	1455 B	5.85	39.0	11.4	131	1.15	.54	187	5.5	4.
PAYMASTER 145	1234 C	5.55	37.2	11.3	135	1.08	.53	190	6.0	4.
ACALA SJ C-1	1047 D	6.54	38.4	12.4	160	1.19	.61	216	5.9	4.

## 1984 DELTA REGIONAL COTTON VARIETY TEST

STONEVILLE, MS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
DES 422	1.22	85.0	23.5	76.5	8.8	20.46	3.54	.99	
MCNAIR 235	1.23	84.0	26.5	71.8	8.4	21.89	3.47	.94	
STONEVILLE 506	1.21	83.0	25.5	77.3	9.1	20.21	3.54	.96	
STONEVILLE 213	1.18	84.5	22.0	78.3	9.2	19.19	3.54	1.11	
DELTAPINE 90	1.21	84.5	26.5	78.3	8.9	21.09	3.58	.94	
COKER 3131	1.19	82.5	25.5	76.3	8.9	21.79	3.73	.91	
DELTAPINE 41	1.21	83.5	26.5	77.5	9.1	18.89	3.67	.96	
STONEVILLE 825H	1.21	84.5	25.5	77.0	9.5	19.68	3.60	.97	
PAYMASTER 145	1.13	84.0	25.0	75.8	8.6	21.52	3.71	.84	
ACALA SJ C-1	1.23	84.5	28.5	77.0	9.3	22.16	3.59	.71	



## 1984 DELTA REGIONAL COTTON VARIETY TEST

PORTAGEVILLE, MO

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 235	1191 A	6.35	40.3	11.4	123	1.08	.54	185	6.1	4.35
PAYMASTER 145	1149 A	6.65	38.3	12.1	110	1.10	.54	162	6.3	4.75
STONEVILLE 506	1113 AB	7.55	37.3	12.8	118	1.14	.52	161	5.7	4.55
COKER 3131	1098 ABC	7.10	40.5	12.4	124	1.17	.55	172	6.6	4.65
STONEVILLE 825N	1072 ABC	6.50	38.4	12.1	136	1.15	.54	185	5.8	4.75
DELTAPINE 41	1016 BCD	6.10	41.8	10.6	120	1.16	.53	168	6.3	4.35
STONEVILLE 213	994 BCD	6.70	39.0	11.8	129	1.15	.53	178	5.3	4.60
DES 422	972 CD	5.95	40.0	11.4	121	1.13	.51	170	6.8	4.45
DELTAPINE 90	932 D	5.75	39.7	10.9	124	1.16	.56	166	5.5	4.85
ACALA SJ C-1	805 E	6.90	39.5	12.2	142	1.10	.51	219	5.5	4.50

## 1984 DELTA REGIONAL COTTON VARIETY TEST

PORTAGEVILLE, MO

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCHAIR 235	1.09	83.5	26.0	68.5	7.5	25.15	3.64	.98	5.0
PAYMASTER 145	1.16	83.0	25.0	67.0	8.4	23.18	3.58	.96	4.0
STONEVILLE 506	1.18	82.0	25.5	67.0	8.1	21.84	3.79	.90	5.0
COKER 3131	1.22	83.0	26.0	68.3	8.3	21.47	3.50	.83	3.5
STONEVILLE 825N	1.20	83.5	30.5	68.3	9.1	23.94	3.59	.90	5.0
DELTAPINE 41	1.23	84.0	26.0	64.3	8.7	23.71	3.65	.89	4.5
STONEVILLE 213	1.19	82.0	26.5	68.3	7.6	23.93	3.40	1.08	5.0
DES 422	1.20	82.5	25.5	68.0	8.0	23.41	3.65	.92	4.5
DELTAPINE 90	1.23	83.5	26.5	70.5	7.7	22.72	3.45	1.08	3.0
ACALA SJ C-1	1.21	85.0	30.5	63.8	7.8	24.71	3.89	.56	4.0

## 1984 DELTA REGIONAL COTTON VARIETY TEST

ROHWER, AR

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 41	849 A	.00	39.3	.0	0	.00	.00	0	.0	
STONEVILLE 825N	839 A	.00	36.8	.0	0	.00	.00	0	.0	
MCHAIR 235	803 A	.00	37.0	.0	0	.00	.00	0	.0	
STONEVILLE 506	683 B	.00	33.8	.0	0	.00	.00	0	.0	
DES 422	673 B	.00	34.9	.0	0	.00	.00	0	.0	
PAYMASTER 145	666 B	.00	32.9	.0	0	.00	.00	0	.0	
STONEVILLE 213	664 B	.00	35.0	.0	0	.00	.00	0	.0	
COKER 3131	655 B	.00	36.5	.0	0	.00	.00	0	.0	
DELTAPINE 90	623 B	.00	34.3	.0	0	.00	.00	0	.0	
ACALA SJ C-1	434 C	.00	35.8	.0	0	.00	.00	0	.0	

## 1984 DELTA REGIONAL COTTON VARIETY TEST

ROHWER, AR

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 41	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 825N	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 506	.00	.0	.0	.0	.0	.00	.00	.00	
DES 422	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 3131	.00	.0	.0	.0	.0	.00	.00	.00	
DELTAPINE 90	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	



## 1984 DELTA REGIONAL COTTON VARIETY TEST

CLARKDALE, AR

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 235	641 A	.00	40.4	.0	151	1.15	.57	200	5.9	4.50
DELTAPINE 90	641 A	.00	39.4	.0	151	1.17	.57	208	6.2	4.50
COKER 3131	613 AB	.00	38.5	.0	136	1.20	.57	184	6.9	4.15
DES 422	575 ABC	.00	38.0	.0	142	1.20	.57	189	6.6	4.35
DELTAPINE 41	561 ABC	.00	39.5	.0	144	1.19	.60	190	6.3	4.55
PAYMASTER 145	539 ABC	.00	36.0	.0	144	1.09	.54	211	5.9	4.10
STONEVILLE 506	538 ABC	.00	37.6	.0	134	1.17	.56	184	6.8	4.60
STONEVILLE 825N	509 BC	.00	37.8	.0	135	1.16	.57	188	5.7	5.05
STONEVILLE 213	500 C	.00	35.7	.0	145	1.16	.54	183	7.4	4.10
ACALA SJ C-1	320 D	.00	37.0	.0	163	1.16	.57	209	6.1	4.15

## 1984 DELTA REGIONAL COTTON VARIETY TEST

CLARKDALE, AR

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCHAIR 235	1.17	84.0	26.0	78.0	9.0	.00	.00	.00	.0
DELTAPINE 90	1.20	84.5	28.5	74.3	9.0	.00	.00	.00	.0
COKER 3131	1.23	84.0	26.0	77.8	9.6	.00	.00	.00	.0
DES 422	1.24	82.0	25.5	77.3	9.1	.00	.00	.00	.0
DELTAPINE 41	1.24	84.0	25.0	77.8	9.0	.00	.00	.00	.0
PAYMASTER 145	1.13	83.0	26.9	79.3	8.7	.00	.00	.00	.0
STONEVILLE 506	1.24	84.0	26.0	78.8	9.2	.00	.00	.00	.0
STONEVILLE 825N	1.21	84.0	25.0	79.8	9.1	.00	.00	.00	.0
STONEVILLE 213	1.23	84.0	24.5	77.8	9.2	.00	.00	.00	.0
ACALA SJ C-1	1.22	86.0	27.5	76.3	9.0	.00	.00	.00	.0

1984 CENTRAL REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 235	1268 A	5.59	39.6	9.8	138	1.07	.51	197	5.3	
DELTAPINE 90	1136 B	5.08	39.6	9.3	146	1.08	.51	203	5.8	
COKER 3131	1117 B	5.70	41.0	10.2	134	1.07	.51	193	6.3	
STONEVILLE 213	1981 B	5.37	39.6	9.8	133	1.08	.51	189	6.3	
STONEVILLE 825N	1071 B	5.07	39.9	9.7	129	1.08	.52	174	5.0	
STONEVILLE 506	1070 B	5.33	38.7	10.2	134	1.10	.53	187	6.1	
PAYMASTER 145	1043 B	5.62	38.3	10.6	130	1.03	.50	188	5.4	
DELTAPINE 61	1041 B	5.47	39.3	10.0	138	1.11	.53	200	6.4	
ACALA SJ C-1	882 C	6.42	38.3	11.2	172	1.10	.54	238	5.7	

1984 CENTRAL REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
MCHAIR 235	1.11	82.6	25.4	69.1	9.0	20.80	3.69	.67	
DELTAPINE 90	1.11	82.8	28.6	70.9	9.1	20.83	3.70	.73	
COKER 3131	1.12	83.0	25.1	69.8	9.6	20.41	3.94	.69	
STONEVILLE 213	1.13	82.6	25.3	70.8	9.0	18.32	3.71	.74	
STONEVILLE 825N	1.13	83.1	23.4	69.4	8.9	18.95	3.75	.74	
STONEVILLE 506	1.16	83.1	26.0	70.0	8.8	19.59	3.70	.63	
PAYMASTER 145	1.02	83.0	23.8	69.8	8.8	21.39	3.80	.70	
DELTAPINE 61	1.15	83.6	25.5	71.3	9.1	19.63	3.60	.72	
ACALA SJ C-1	1.12	84.5	28.6	70.5	9.3	21.19	3.92	.49	



1984 CENTRAL REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

ACALA SJ C-1	6.42	A
COKER 3131	5.69	B
PAYMASTER 145	5.62	BC
MCNAIR 235	5.59	BC
DELTAPINE 61	5.47	BC
STONEVILLE 213	5.37	BCD
STONEVILLE 506	5.33	CD
DELTAPINE 90	5.08	D
STONEVILLE 825N	5.07	D

LINT PCT

COKER 3131	41.0	A
STONEVILLE 825N	39.9	AB
STONEVILLE 213	39.6	BC
MCNAIR 235	39.6	BC
DELTAPINE 90	39.6	BC
DELTAPINE 61	39.3	BCD
STONEVILLE 506	38.7	BCD
ACALA SJ C-1	38.3	CD
PAYMASTER 145	38.2	D

SEED INDEX

ACALA SJ C-1	11.2	A
PAYMASTER 145	10.6	B
STONEVILLE 506	10.2	BC
COKER 3131	10.2	BC
DELTAPINE 61	10.0	C
STONEVILLE 213	9.8	CD
MCNAIR 235	9.8	CD
STONEVILLE 825N	9.7	CD
DELTAPINE 90	9.3	D

YARN TENACITY

ACALA SJ C-1	172	A
DELTAPINE 90	146	B
DELTAPINE 61	138	C
MCNAIR 235	138	C
STONEVILLE 506	134	CD
COKER 3131	134	CD
STONEVILLE 213	133	CD
PAYMASTER 145	130	D
STONEVILLE 825N	129	D

FIBROGRAPH--2.5% S.L.

DELTAPINE 61	1.11	A
STONEVILLE 506	1.10	AB
ACALA SJ C-1	1.10	AB
STONEVILLE 213	1.08	BC
STONEVILLE 825N	1.08	BC
DELTAPINE 90	1.08	BC
MCNAIR 235	1.07	C
COKER 3131	1.07	C
PAYMASTER 145	1.03	D

FIBROGRAPH--50% S.L.

ACALA SJ C-1	0.54	A
DELTAPINE 61	0.53	AB
STONEVILLE 506	0.53	AB
STONEVILLE 825N	0.52	ABC
STONEVILLE 213	0.51	BC
MCNAIR 235	0.51	BC
COKER 3131	0.51	BC
DELTAPINE 90	0.51	BC
PAYMASTER 145	0.50	C

STELOMETER - T1

ACALA SJ C-1	238	A
DELTAPINE 90	203	B
DELTAPINE 61	200	BC
MCNAIR 235	197	BC
COKER 3131	193	BC
STONEVILLE 213	189	BC
PAYMASTER 145	188	BCD
STONEVILLE 506	187	CD
STONEVILLE 825N	174	D

STELOMETER - E1

DELTAPINE 61	6.4	A
STONEVILLE 213	6.3	A
COKER 3131	6.3	A
STONEVILLE 506	6.1	AB
DELTAPINE 90	5.8	BC
ACALA SJ C-1	5.7	CD
PAYMASTER 145	5.4	DE
MCNAIR 235	5.3	EF
STONEVILLE 825N	5.0	F

MICRONAIRE

STONEVILLE 825N	4.64	A
PAYMASTER 145	4.64	A
DELTAPINE 90	4.52	A
STONEVILLE 213	4.51	A
DELTAPINE 61	4.50	A
STONEVILLE 506	4.47	A
MCNAIR 235	4.41	A
ACALA SJ C-1	4.34	AB
COKER 3131	4.05	B

1984 CENTRAL REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

UHM (INCHES)	
STONEVILLE 506	1.16 A
DELTAPINE 61	1.15 AB
STONEVILLE 213	1.12 B
STONEVILLE 825N	1.12 B
COKER 3131	1.12 B
ACALA SJ C-1	1.12 B
MCHAIR 235	1.11 B
DELTAPINE 90	1.11 B
PAYMASTER 145	1.02 C

UNIFORMITY (PERCENT)	
ACALA SJ C-1	84.5 A
DELTAPINE 61	83.6 AB
STONEVILLE 825N	83.1 B
STONEVILLE 506	83.1 B
PAYMASTER 145	83.0 B
COKER 3131	83.0 B
DELTAPINE 90	82.7 B
STONEVILLE 213	82.6 B
MCHAIR 235	82.6 B

TENACITY (G/TEX)	
DELTAPINE 90	28.6 A
ACALA SJ C-1	28.6 A
STONEVILLE 506	26.0 B
DELTAPINE 61	25.5 B
MCHAIR 235	25.4 BC
STONEVILLE 213	25.2 BC
COKER 3131	25.1 BC
PAYMASTER 145	23.7 CD
STONEVILLE 825N	23.4 D

COLORIMETER -RD	
DELTAPINE 61	71.2 A
DELTAPINE 90	70.9 A
STONEVILLE 213	70.7 A
ACALA SJ C-1	70.5 A
STONEVILLE 506	70.8 A
PAYMASTER 145	69.8 A
COKER 3131	69.8 A
STONEVILLE 825N	69.4 A
MCHAIR 235	69.1 A

COLORIMETER - B	
COKER 3131	9.6 A
ACALA SJ C-1	9.2 AB
DELTAPINE 61	9.1 AB
DELTAPINE 90	9.1 AB
STONEVILLE 213	9.0 B
MCHAIR 235	9.0 B
STONEVILLE 825N	8.9 B
STONEVILLE 506	8.8 B
PAYMASTER 145	8.8 B

OIL (PERCENT)	
PAYMASTER 145	21.39 A
ACALA SJ C-1	21.19 AB
DELTAPINE 90	20.83 AB
MCHAIR 235	20.79 AB
COKER 3131	20.48 BC
DELTAPINE 61	19.63 CD
STONEVILLE 506	19.59 CD
STONEVILLE 825N	18.95 DE
STONEVILLE 213	18.32 E

NITROGEN (PERCENT)	
COKER 3131	3.94 A
ACALA SJ C-1	3.91 A
PAYMASTER 145	3.88 AB
STONEVILLE 825N	3.74 BC
STONEVILLE 213	3.71 BC
STONEVILLE 506	3.70 BC
DELTAPINE 90	3.70 BC
MCHAIR 235	3.69 BC
DELTAPINE 61	3.60 C

FREE GOSSYPOL (PERCENT)	
STONEVILLE 213	0.74 A
STONEVILLE 825N	0.74 A
DELTAPINE 90	0.73 A
DELTAPINE 61	0.72 A
PAYMASTER 145	0.70 AB
COKER 3131	0.69 AB
MCHAIR 235	0.67 AB
STONEVILLE 506	0.63 B
ACALA SJ C-1	0.49 C

SEED GRADE	
MCHAIR 235	5.0 A
PAYMASTER 145	5.0 A
DELTAPINE 61	4.7 A
STONEVILLE 506	4.7 A
DELTAPINE 90	4.7 A
COKER 3131	4.6 A
STONEVILLE 825N	4.1 B
ACALA SJ C-1	4.0 B
STONEVILLE 213	3.8 B



1984 CENTRAL REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Reading)
BOSSIER, LA	1534 A	6.22	41.2	11.0	142	1.12	.54	197	5.8	4.68
COL. STA, TX	1304 B	5.46	37.3	10.5	149	1.12	.54	203	5.8	4.34
BEEVILLE, TX/MUC	739 C	5.18	40.3	9.5	124	1.04	.49	188	5.9	4.33
WESLACO, TX	738 C	5.20	38.7	9.4	141	1.04	.50	198	5.8	4.47

1984 CENTRAL REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
BOSSIER, LA	1.17	93.4	26.1	76.0	8.5	20.92	3.97	.70	4.7
COL. STA, TX	1.17	83.6	26.4	68.0	9.0	20.52	3.64	.74	4.1
BEEVILLE, TX/MUC	1.06	82.5	25.0	69.4	10.3	19.64	3.69	.63	4.6
WESLACO, TX	1.07	83.1	25.4	67.3	8.5	19.42	3.73	.66	4.7

## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

BOSSIER, LA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1746 A	5.89	41.9	10.1	155	1.15	.54	215	5.8	
MCHAIR 235	1682 A	6.32	41.5	10.4	142	1.11	.55	197	5.1	
COKER 3131	1622 AB	6.76	42.6	11.1	135	1.10	.52	193	6.3	
DELTAPINE 61	1525 BC	6.33	40.9	11.3	140	1.18	.58	191	6.3	
STONEVILLE 825N	1515 BC	5.71	41.9	11.1	132	1.11	.52	183	5.0	
STONEVILLE 506	1471 C	6.03	39.3	11.3	133	1.15	.55	175	5.8	
ACALA SJ C-1	1439 C	6.96	41.0	11.7	177	1.15	.57	254	5.6	
PAYMASTER 145	1407 C	6.36	39.4	11.2	134	1.07	.51	182	5.5	
STONEVILLE 213	1402 C	5.63	42.3	10.7	134	1.10	.52	185	6.4	

## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

BOSSIER, LA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 90	1.19	83.0	30.5	76.5	8.4	21.31	4.01	.69	
MCHAIR 235	1.16	83.0	26.0	75.8	8.5	21.58	3.82	.67	
COKER 3131	1.17	83.0	25.5	74.5	9.0	21.64	4.08	.71	
DELTAPINE 61	1.24	84.5	25.0	77.3	8.6	20.41	3.94	.78	
STONEVILLE 825N	1.21	84.5	24.5	75.8	8.1	19.68	4.00	.78	
STONEVILLE 506	1.21	82.5	27.0	75.8	8.3	20.24	3.92	.60	
ACALA SJ C-1	1.19	85.0	28.0	77.5	8.8	22.09	4.06	.58	
PAYMASTER 145	1.05	83.0	23.5	74.3	8.2	22.44	3.96	.76	
STONEVILLE 213	1.13	82.0	25.0	76.5	9.0	18.94	3.92	.71	



## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

COL. STA, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELCHETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1604 A	5.67	37.0	10.2	147	1.13	.53	210	5.7	4.25
STONEVILLE 506	1369 B	5.33	37.1	10.8	143	1.15	.56	201	6.0	4.50
STONEVILLE 213	1366 B	5.39	37.5	10.4	144	1.14	.52	199	6.3	4.45
STONEVILLE 825N	1339 B	5.07	37.5	10.0	139	1.14	.55	177	5.0	4.55
DELTAPINE 90	1328 B	5.06	37.4	9.3	156	1.12	.53	202	5.5	4.35
COKER 3131	1284 B	5.46	38.1	10.9	146	1.11	.54	197	5.9	3.85
DELTAPINE 61	1244 B	5.30	36.5	9.8	148	1.14	.54	195	6.5	4.40
PAYMASTER 145	1234 B	5.57	36.3	11.1	143	1.07	.53	202	5.4	4.35
ACALA SJ C-1	967 C	6.34	37.9	11.9	173	1.13	.54	244	5.5	4.40

## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

COL. STA, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 235	1.18	83.5	26.5	68.0	9.5	21.57	3.56	.74	5.0
STONEVILLE 506	1.21	83.5	25.5	67.0	9.2	19.55	3.60	.74	4.0
STONEVILLE 213	1.21	83.5	26.5	69.8	8.4	19.51	3.50	.84	3.0
STONEVILLE 825N	1.19	84.5	24.0	69.8	8.3	19.41	3.56	.83	4.0
DELTAPINE 90	1.16	84.5	27.0	67.3	9.4	20.96	3.58	.78	4.0
COKER 3131	1.18	82.5	26.5	66.8	9.5	20.94	3.94	.72	4.0
DELTAPINE 61	1.19	82.5	26.5	71.5	9.1	19.61	3.40	.76	4.0
PAYMASTER 145	1.05	83.5	24.5	67.3	8.9	21.78	3.74	.73	5.0
ACALA SJ C-1	1.14	84.5	30.5	65.0	9.0	21.32	3.90	.46	4.0

## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

WESLACO, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Rea)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 235	1002 A	5.29	39.1	9.3	138	1.03	.49	186	5.1	4
STONEVILLE 213	826 B	4.92	38.1	8.9	135	1.04	.49	189	6.3	4
PAYMASTER 145	802 BC	5.50	37.9	10.1	124	.97	.47	188	5.4	5
COKEK 3131	768 BC	5.39	40.8	9.4	135	1.02	.49	199	6.3	4
STONEVILLE 506	739 BC	4.97	38.5	9.1	145	1.07	.51	191	6.3	4
DELTAPINE 90	682 BC	4.75	38.8	9.1	146	1.04	.50	196	5.5	4
STONEVILLE 825N	677 BC	4.67	39.0	8.5	132	1.05	.52	175	5.1	4
DELTAPINE 61	652 C	5.24	39.0	9.5	145	1.07	.51	225	6.2	4
ACALA SJ C-1	491 D	6.11	37.0	11.1	175	1.07	.53	234	5.7	4

## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

WESLACO, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grav
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
MCHAIR 235	1.02	81.5	24.5	64.5	8.3	20.19	3.75	.67	
STONEVILLE 213	1.08	83.0	25.5	67.0	8.4	17.58	3.71	.70	
PAYMASTER 145	.98	83.0	22.0	66.3	8.3	21.34	3.71	.73	
COKEK 3131	1.06	83.0	25.0	67.3	8.9	19.27	3.90	.64	
STONEVILLE 506	1.12	83.5	26.5	68.3	8.2	18.09	3.60	.57	
DELTAPINE 90	1.05	82.5	29.5	69.0	8.4	20.72	3.64	.71	
STONEVILLE 825N	1.05	82.5	22.0	67.0	8.6	17.66	3.68	.73	
DELTAPINE 61	1.11	84.5	25.0	69.0	8.3	19.07	3.48	.68	
ACALA SJ C-1	1.09	84.5	29.0	67.0	8.8	20.82	4.06	.46	



## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

BEEVILLE, TX/NUC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
COKER 3131	794 A	5.17	42.5	9.5	121	1.04	.49	182	6.7	3.98
DELTAPINE 90	788 A	4.62	40.3	8.7	128	1.02	.48	200	6.2	4.45
MCNAIR 235	783 A	5.08	40.7	9.3	124	1.02	.48	194	5.5	4.10
STONEVILLE 825N	754 A	4.81	41.4	9.1	112	1.03	.48	164	5.0	4.45
DELTAPINE 61	742 AB	5.02	40.8	9.4	120	1.05	.49	189	6.6	4.30
PAYMASTER 145	730 AB	5.07	39.5	9.8	120	1.00	.48	182	5.1	4.55
STONEVILLE 213	729 AB	5.54	40.5	9.3	120	1.04	.52	182	6.2	4.50
STONEVILLE 506	702 AB	5.00	40.0	9.8	113	1.06	.49	184	6.1	4.45
ACALA SJ C-1	629 B	6.28	37.1	10.1	164	1.05	.52	221	5.9	4.25

## 1984 CENTRAL REGIONAL COTTON VARIETY TEST

BEEVILLE, TX/NUC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
COKER 3131	1.08	83.5	23.5	70.8	10.9	19.77	3.86	.70	4.5
DELTAPINE 90	1.03	81.0	27.5	70.8	10.3	20.31	3.59	.72	5.0
MCNAIR 235	1.08	82.5	24.5	68.3	9.7	19.84	3.64	.59	5.0
STONEVILLE 825N	1.05	81.0	23.0	65.3	10.8	19.06	3.74	.60	4.0
DELTAPINE 61	1.07	83.0	25.5	67.3	10.4	19.44	3.58	.68	5.0
PAYMASTER 145	1.00	82.5	25.0	71.5	9.8	20.00	3.81	.58	5.0
STONEVILLE 213	1.07	82.0	24.0	69.8	10.3	17.26	3.70	.73	4.0
STONEVILLE 506	1.09	83.0	25.0	69.0	9.7	20.50	3.68	.59	5.0
ACALA SJ C-1	1.05	84.0	27.0	72.5	10.4	20.55	3.64	.45	4.0

1984 BLACKLAND COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Rea)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
G+P 3774	484 A	4.63	38.8	10.0	122	1.01	.49	181	6.2	4
MCNAIR 235	416 AB	3.98	42.1	8.9	133	1.00	.46	182	5.2	5
PAYMASTER 145	398 ABC	3.95	40.6	9.4	122	.94	.45	186	5.0	5
CASCOT C-13	372 BC	4.72	40.9	9.2	117	.97	.45	179	4.9	4
STONEVILLE 213	370 BC	4.19	38.6	9.3	126	1.03	.48	171	5.8	5
PIONEER BR 1140	347 BCD	4.50	38.0	9.8	127	1.00	.48	196	5.5	4
STONEVILLE 302	345 BCD	4.66	42.7	9.8	127	1.01	.46	179	5.3	4
G+P 5479	316 BCD	3.96	37.5	9.8	131	.98	.47	188	5.5	4
TAMCOT SP 37H	311 BCD	4.14	39.5	9.0	118	.96	.45	169	5.3	5
LANKART LX 571	307 CD	6.15	38.8	11.6	119	.98	.48	184	5.7	5
TAMCOT CAMD-E	301 CD	4.27	39.3	9.1	111	.94	.46	164	5.6	5
ACALA SJ C-1	259 D	4.76	38.1	11.3	183	1.10	.53	251	5.5	4

1984 BLACKLAND COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grain
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
G+P 3774	1.02	81.0	22.5	71.8	8.4	20.01	3.93	.56	
MCNAIR 235	1.03	82.5	22.5	65.5	8.8	19.63	3.96	.55	
PAYMASTER 145	.96	83.0	23.0	66.3	8.5	20.75	4.08	.60	
CASCOT C-13	.96	79.0	20.5	71.0	8.9	20.32	3.93	.48	
STONEVILLE 213	1.06	81.5	25.0	68.0	9.2	16.86	3.75	.59	
PIONEER BR 1140	.99	82.5	23.0	69.8	8.5	20.22	3.89	.54	
STONEVILLE 302	1.08	81.0	22.5	70.5	9.3	18.83	3.96	.54	
G+P 5479	1.01	81.0	21.5	71.5	8.6	19.82	3.83	.52	
TAMCOT SP 37H	.97	81.5	21.0	71.3	8.8	21.24	3.94	.55	
LANKART LX 571	1.00	82.0	24.0	69.5	9.7	19.11	3.94	.39	
TAMCOT CAMD-E	.90	80.5	20.5	72.0	9.0	20.34	3.92	.48	
ACALA SJ C-1	1.13	84.0	32.5	70.3	8.5	19.58	4.13	.42	



1984 BLACKLAND COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

LANKART LX 571	6.15	A
ACALA SJ C-1	4.76	B
CASCOT C-13	4.72	BC
STONEVILLE 302	4.66	BCD
G+P 3774	4.63	BCD
PIONEER BR 1140	4.50	BCDE
TAMCOT CAMD-E	4.27	BCDEF
STONEVILLE 213	4.19	CDEF
TAMCOT SP 37H	4.14	DEF
MCNAIR 235	3.98	EF
G+P 5479	3.96	EF
PAYMASTER 145	3.95	F

LINT PCT

STONEVILLE 302	42.7	A
MCNAIR 235	42.1	A
CASCOT C-13	40.9	B
PAYMASTER 145	40.6	BC
TAMCOT SP 37H	39.5	CD
TAMCOT CAMD-E	39.3	DE
LANKART LX 571	38.8	DEF
G+P 3774	38.8	DEF
STONEVILLE 213	38.6	DEFG
ACALA SJ C-1	38.1	EFG
PIONEER BR 1140	38.0	FG
G+P 5479	37.5	G

SEED INDEX

LANKART LX 571	11.6	A
ACALA SJ C-1	11.3	A
G+P 3774	10.0	B
PIONEER BR 1140	9.8	BC
STONEVILLE 302	9.8	BC
G+P 5479	9.8	BC
PAYMASTER 145	9.4	BCD
STONEVILLE 213	9.3	BCD
CASCOT C-13	9.2	CD
TAMCOT CAMD-E	9.1	CD
TAMCOT SP 37H	9.0	D
MCNAIR 235	8.9	D

YARN TENACITY

ACALA SJ C-1	183	A
MCNAIR 235	133	B
G+P 5479	131	BC
PIONEER BR 1140	127	BCD
STONEVILLE 302	127	BCD
STONEVILLE 213	126	BCD
PAYMASTER 145	122	BCDE
G+P 3774	122	BCDE
LANKART LX 571	119	CDE
TAMCOT SP 37H	118	CDE
CASCOT C-13	117	DE
TAMCOT CAMD-E	111	E

FIBROGRAPH--2.5% S.L.

ACALA SJ C-1	1.10	A
STONEVILLE 213	1.03	B
STONEVILLE 302	1.01	BC
G+P 3774	1.01	BC
PIONEER BR 1140	1.00	BCD
MCNAIR 235	1.00	BCD
LANKART LX 571	0.98	CDE
G+P 5479	0.98	CDE
CASCOT C-13	0.97	CDE
TAMCOT SP 37H	0.96	DE
PAYMASTER 145	0.94	E
TAMCOT CAMD-E	0.94	E

FIBROGRAPH--50% S.L.

ACALA SJ C-1	0.52	A
G+P 3774	0.49	AB
STONEVILLE 213	0.48	BC
LANKART LX 571	0.47	BC
PIONEER BR 1140	0.47	BC
G+P 5479	0.47	BC
STONEVILLE 302	0.46	BC
TAMCOT CAMD-E	0.46	BC
MCNAIR 235	0.45	C
PAYMASTER 145	0.45	C
TAMCOT SP 37H	0.45	C
CASCOT C-13	0.45	C

STELOMETER - T1

ACALA SJ C-1	251	A
PIONEER BR 1140	196	B
G+P 5479	188	BC
PAYMASTER 145	186	BC
LANKART LX 571	184	BC
MCNAIR 235	182	BC
G+P 3774	181	BC
STONEVILLE 302	179	BC
CASCOT C-13	179	BC
STONEVILLE 213	171	BC
TAMCOT SP 37H	169	C
TAMCOT CAMD-E	164	C

STELOMETER - E1

G+P 3774	6.2	A
STONEVILLE 213	5.8	AB
LANKART LX 571	5.7	BC
TAMCOT CAMD-E	5.6	BC
PIONEER BR 1140	5.5	BCD
ACALA SJ C-1	5.5	BCD
G+P 5479	5.5	BCD
STONEVILLE 302	5.3	CDE
TAMCOT SP 37H	5.3	CDE
MCNAIR 235	5.1	DE
PAYMASTER 145	5.0	E
CASCOT C-13	4.9	E

MICRONAIRE

LANKART LX 571	5.40	A
MCNAIR 235	5.25	AB
STONEVILLE 213	5.20	AB
PAYMASTER 145	5.20	AB
TAMCOT SP 37H	5.20	AB
TAMCOT CAMD-E	5.00	ABC
CASCOT C-13	4.95	BCD
PIONEER BR 1140	4.90	BCDE
STONEVILLE 302	4.75	CDE
G+P 3774	4.70	CDE
G+P 5479	4.55	DE
ACALA SJ C-1	4.50	E

1984 BLACKLAND COTTON VARIETY TEST  
REGIONAL SUMMARY

UHM (INCHES)		
ACALA SJ C-1	1.12	A
STONEVILLE 213	1.06	AB
MCNAIR 235	1.03	BC
G+P 3774	1.02	BCD
G+P 5479	1.01	BCD
LANKART LX 571	1.00	BCD
STONEVILLE 302	1.00	BCD
PIONEER BR 1140	0.99	BCD
TAMCOT SP 37H	0.97	CD
PAYMASTER 145	0.95	DE
CASCOT C-13	0.95	DE
TAMCOT CAMD-E	0.89	E

UNIFORMITY (PERCENT)		
ACALA SJ C-1	84.0	A
PAYMASTER 145	83.0	AB
PIONEER BR 1140	82.5	ABC
MCNAIR 235	82.5	ABC
LANKART LX 571	82.0	ABC
STONEVILLE 213	81.5	BC
TAMCOT SP 37H	81.5	BC
STONEVILLE 302	81.0	BCD
G+P 3774	81.0	BCD
G+P 5479	81.0	BCD
TAMCOT CAMD-E	80.5	CD
CASCOT C-13	79.0	D

TENACITY (G/TEX)		
ACALA SJ C-1	32.5	A
STONEVILLE 213	25.0	B
LANKART LX 571	24.0	BC
PIONEER BR 1140	23.0	BCD
PAYMASTER 145	23.0	BCD
MCNAIR 235	22.5	BCD
STONEVILLE 302	22.5	BCD
G+P 3774	22.5	BCD
G+P 5479	21.5	CD
TAMCOT SP 37H	21.0	CD
TAMCOT CAMD-E	20.5	D
CASCOT C-13	20.5	D

COLORIMETER -RD		
TAMCOT CAMD-E	72.0	A
G+P 3774	71.7	A
G+P 5479	71.5	AB
TAMCOT SP 37H	71.2	AB
CASCOT C-13	71.0	AB
STONEVILLE 302	70.5	AB
ACALA SJ C-1	70.2	AB
PIONEER BR 1140	69.7	ABC
LANKART LX 571	69.5	ABC
STONEVILLE 213	68.0	BCD
PAYMASTER 145	66.2	CD
MCNAIR 235	65.5	D

COLORIMETER - B		
LANKART LX 571	9.7	A
STONEVILLE 302	9.3	AB
STONEVILLE 213	9.2	ABC
TAMCOT CAMD-E	9.0	BCD
CASCOT C-13	8.9	BCD
MCNAIR 235	8.8	BCD
TAMCOT SP 37H	8.8	BCD
G+P 5479	8.6	CD
PIONEER BR 1140	8.5	D
PAYMASTER 145	8.5	D
ACALA SJ C-1	8.5	D
G+P 3774	8.4	D

OIL (PERCENT)		
TAMCOT SP 37H	21.24	A
PAYMASTER 145	20.75	AB
TAMCOT CAMD-E	20.34	ABC
CASCOT C-13	20.32	ABC
PIONEER BR 1140	20.22	BC
G+P 3774	20.01	BCD
G+P 5479	19.82	BCDE
MCNAIR 235	19.63	CDE
ACALA SJ C-1	19.58	CDE
LANKART LX 571	19.11	DE
STONEVILLE 302	18.83	E
STONEVILLE 213	16.85	F

NITROGEN (PERCENT)		
ACALA SJ C-1	4.12	A
PAYMASTER 145	4.07	AB
MCNAIR 235	3.96	BC
STONEVILLE 302	3.96	BC
LANKART LX 571	3.94	BC
TAMCOT SP 37H	3.94	BC
CASCOT C-13	3.93	BC
TAMCOT CAMD-E	3.92	C
G+P 3774	3.92	C
PIONEER BR 1140	3.89	C
G+P 5479	3.82	CD
STONEVILLE 213	3.74	D

FREE GOSSYPOL (PERCENT)		
PAYMASTER 145	0.60	A
STONEVILLE 213	0.59	A
G+P 3774	0.56	AB
MCNAIR 235	0.55	AB
TAMCOT SP 37H	0.55	AB
PIONEER BR 1140	0.54	AB
STONEVILLE 302	0.54	AB
G+P 5479	0.52	AB
TAMCOT CAMD-E	0.48	BC
CASCOT C-13	0.48	BC
ACALA SJ C-1	0.42	CD
LANKART LX 571	0.38	D

SEED GRADE		
LANKART LX 571	5.0	A
PIONEER BR 1140	5.0	A
MCNAIR 235	5.0	A
PAYMASTER 145	5.0	A
STONEVILLE 302	5.0	A
TAMCOT CAMD-E	5.0	A
G+P 3774	5.0	A
TAMCOT SP 37H	5.0	A
CASCOT C-13	5.0	A
ACALA SJ C-1	4.5	AB
G+P 5479	4.5	AB
STONEVILLE 213	4.0	B



1984 BLACKLAND COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DALLAS, TX	352	4.49	39.6	9.8	128	1.00	.47	186	5.5	4.97

1984 BLACKLAND COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			Rd	COLORIMETER		Seed Data		
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)		HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
DALLAS, TX	1.00	81.6	23.2	69.8	8.8	19.73	3.94	.52	4.8

## 1984 BLACKLAND COTTON VARIETY TEST

DALLAS, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICR (Rea
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
G+P 3774	484 A	4.63	38.8	10.8	122	1.01	.49	181	6.2	4
MCHAIR 235	416 AB	3.98	42.1	8.9	133	1.00	.46	182	5.2	5
PAYMASTER 145	398 ABC	3.95	40.6	9.4	122	.94	.45	186	5.0	5
CASCOT C-13	372 BC	4.72	40.9	9.2	117	.97	.45	179	4.9	4
STONEVILLE 213	370 BC	4.19	38.6	9.3	126	1.03	.48	171	5.8	5
PIONEER BR 1140	347 BCD	4.50	38.0	9.8	127	1.00	.48	196	5.5	4
STONEVILLE 302	345 BCD	4.66	42.7	9.8	127	1.01	.46	179	5.3	4
G+P 5479	316 BCD	3.96	37.5	9.8	131	.98	.47	188	5.5	4
TANCOT SP 37H	311 BCD	4.14	39.5	9.0	118	.96	.45	169	5.3	5
LANKART LX 571	307 CD	6.15	38.8	11.6	119	.98	.48	184	5.7	5
TANCOT CAMD-E	301 CD	4.27	39.3	9.1	111	.94	.46	164	5.6	5
ACALA SJ C-1	259 D	4.76	38.1	11.3	183	1.10	.53	251	5.5	4

## 1984 BLACKLAND COTTON VARIETY TEST

DALLAS, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
G+P 3774	1.02	81.0	22.5	71.8	8.4	20.01	3.93	.56	
MCHAIR 235	1.03	82.5	22.5	65.5	8.8	19.63	3.96	.55	
PAYMASTER 145	.96	83.0	23.0	66.3	8.5	20.75	4.08	.60	
CASCOT C-13	.96	79.0	20.5	71.0	8.9	20.32	3.93	.48	
STONEVILLE 213	1.06	81.5	25.0	68.0	9.2	16.86	3.75	.59	
PIONEER BR 1140	.99	82.5	23.0	69.8	8.5	20.22	3.89	.54	
STONEVILLE 302	1.00	81.0	22.5	70.5	9.3	18.83	3.96	.54	
G+P 5479	1.01	81.0	21.5	71.5	8.6	19.82	3.83	.52	
TANCOT SP 37H	.97	81.5	21.0	71.3	8.8	21.24	3.94	.55	
LANKART LX 571	1.00	82.0	24.0	69.5	9.7	19.11	3.94	.39	
TANCOT CAMD-E	.90	80.5	20.5	72.0	9.0	20.34	3.92	.48	
ACALA SJ C-1	1.13	84.0	32.5	70.3	8.5	19.58	4.13	.42	



1984 PLAINS REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PAYMASTER 145	538 A	5.37	36.8	10.9	133	.96	.47	182	6.2	4.49
CASCOT L-7	522 AB	5.64	37.4	10.6	137	1.03	.49	191	6.4	3.89
DPL SR-383	484 ABC	6.25	36.2	12.3	143	1.00	.49	201	6.2	4.73
MCNAIR 235	480 ABC	5.18	36.9	10.2	137	1.02	.48	186	6.1	4.06
PAYMASTER 404	470 ABC	5.62	35.1	11.2	135	.98	.47	197	6.1	3.98
GSA 71	453 BC	5.88	30.4	10.8	130	.99	.48	180	6.2	4.26
STONEVILLE 302	444 CD	5.55	38.1	10.7	129	.99	.47	179	6.4	4.02
LANKART LX 571	421 CDE	7.08	35.3	13.2	126	1.03	.49	173	6.4	4.17
STONEVILLE 213	409 CDE	4.99	36.0	10.3	127	1.01	.48	182	6.5	4.42
DUNN 219	374 DE	6.17	34.0	12.9	150	1.07	.51	212	6.0	4.08
ACALA SJ C-1	355 E	5.70	36.9	11.3	170	1.06	.52	236	6.2	3.91

1984 PLAINS REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			Rd	COLORIMETER		Seed Data		
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)		HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PAYMASTER 145	.95	81.4	24.1	73.0	8.7	21.00	3.89	.63	5.0
CASCOT L-7	1.03	80.9	23.4	75.2	8.9	20.50	3.94	.60	5.2
DPL SR-383	.99	82.6	27.5	74.4	9.1	20.54	3.96	.57	5.1
MCNAIR 235	1.03	81.8	25.3	74.8	8.7	20.35	3.84	.64	4.4
PAYMASTER 404	.97	81.4	25.7	74.6	8.9	19.66	3.80	.57	4.1
GSA 71	.98	81.5	25.4	74.8	8.9	20.67	3.88	.63	5.4
STONEVILLE 302	.99	80.8	23.9	75.2	9.2	20.12	3.87	.69	4.6
LANKART LX 571	1.03	81.2	24.5	74.7	8.9	19.65	3.90	.45	5.5
STONEVILLE 213	1.01	81.3	24.8	74.1	9.2	19.06	3.78	.75	4.1
DUNN 219	1.10	82.3	29.8	73.8	8.6	19.01	3.80	.52	4.0
ACALA SJ C-1	1.05	83.3	29.6	74.8	8.6	21.10	3.94	.47	4.3

1984 PLAINS REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

LANKART LX 571	7.08	A
DPL SR-383	6.25	B
DUNN 219	6.17	B
GSA 71	5.88	C
ACALA SJ C-1	5.70	CD
CASCOT L-7	5.64	CD
PAYMASTER 404	5.62	D
STONEVILLE 302	5.55	DE
PAYMASTER 145	5.37	EF
MCNAIR 235	5.18	FG
STONEVILLE 213	4.99	G

LINT PCT

STONEVILLE 302	38.1	A
CASCOT L-7	37.4	A
MCNAIR 235	36.9	A
ACALA SJ C-1	36.9	A
PAYMASTER 145	36.8	A
DPL SR-383	36.2	A
STONEVILLE 213	36.0	A
LANKART LX 571	35.3	A
PAYMASTER 404	35.1	A
DUNN 219	34.0	AB
GSA 71	30.4	B

SEED INDEX

LANKART LX 571	13.2	A
DUNN 219	12.9	A
DPL SR-383	12.3	AB
ACALA SJ C-1	11.3	BC
PAYMASTER 404	11.2	BC
PAYMASTER 145	10.9	BC
GSA 71	10.7	C
STONEVILLE 302	10.7	C
CASCOT L-7	10.6	C
STONEVILLE 213	10.3	C
MCNAIR 235	10.2	C

YARN TENACITY

ACALA SJ C-1	170	A
DUNN 219	150	B
DPL SR-383	143	C
MCNAIR 235	137	CD
CASCOT L-7	137	CD
PAYMASTER 404	135	DE
PAYMASTER 145	133	DEF
GSA 71	130	EFG
STONEVILLE 302	129	EFG
STONEVILLE 213	127	FG
LANKART LX 571	126	G

FIBROGRAPH-2.5% S.L.

DUNN 219	1.07	A
ACALA SJ C-1	1.06	AB
LANKART LX 571	1.03	BC
CASCOT L-7	1.03	BC
MCNAIR 235	1.02	CD
STONEVILLE 213	1.01	CDE
DPL SR-383	1.00	CDE
GSA 71	0.99	DEF
STONEVILLE 302	0.99	DEF
PAYMASTER 404	0.98	EF
PAYMASTER 145	0.96	F

FIBROGRAPH-50% S.L.

ACALA SJ C-1	0.52	A
DUNN 219	0.51	AB
LANKART LX 571	0.49	BC
DPL SR-383	0.49	BC
CASCOT L-7	0.49	BC
STONEVILLE 213	0.48	C
GSA 71	0.48	C
MCNAIR 235	0.48	C
PAYMASTER 145	0.47	C
STONEVILLE 302	0.47	C
PAYMASTER 404	0.47	C

STELOMETER - T1

ACALA SJ C-1	236	A
DUNN 219	212	B
DPL SR-383	201	C
PAYMASTER 404	197	CD
CASCOT L-7	191	DE
MCNAIR 235	186	EF
STONEVILLE 213	182	EFG
PAYMASTER 145	182	EFG
GSA 71	180	FG
STONEVILLE 302	179	FG
LANKART LX 571	173	G

STELOMETER - E1

STONEVILLE 213	6.5	A
LANKART LX 571	6.4	A
STONEVILLE 302	6.4	A
CASCOT L-7	6.4	A
GSA 71	6.2	A
PAYMASTER 145	6.2	A
ACALA SJ C-1	6.2	A
DPL SR-383	6.2	A
MCNAIR 235	6.1	A
PAYMASTER 404	6.1	A
DUNN 219	6.0	A

MICRONAIRE

DPL SR-383	4.73	A
PAYMASTER 145	4.49	AB
STONEVILLE 213	4.42	BC
GSA 71	4.26	BCD
LANKART LX 571	4.17	CDE
DUNN 219	4.07	DE
MCNAIR 235	4.06	DE
STONEVILLE 302	4.02	DE
PAYMASTER 404	3.97	E
ACALA SJ C-1	3.91	E
CASCOT L-7	3.89	E



1984 PLAINS REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

UHM (INCHES)		UNIFORMITY (PERCENT)		TENACITY (G/TEX)	
DUNN 219	1.10 A	ACALA SJ C-1	83.2 A	DUNN 219	29.8 A
ACALA SJ C-1	1.05 B	DPL SR-383	82.6 AB	ACALA SJ C-1	29.6 A
LANKART LX 571	1.03 BC	DUNN 219	82.3 ABC	DPL SR-383	27.5 B
MCNAIR 235	1.03 BC	MCNAIR 235	81.7 BCD	PAYMASTER 404	25.7 C
CASCOT L-7	1.03 BC	GSA 71	81.5 CDE	GSA 71	25.4 CD
STONEVILLE 213	1.01 BCD	PAYMASTER 145	81.4 CDE	MCNAIR 235	25.2 CD
STONEVILLE 302	0.99 CDE	PAYMASTER 404	81.4 CDE	STONEVILLE 213	24.7 CDE
DPL SR-383	0.99 CDE	STONEVILLE 213	81.3 DE	LANKART LX 571	24.5 CDE
GSA 71	0.98 DE	LANKART LX 571	81.2 DE	PAYMASTER 145	24.1 DE
PAYMASTER 404	0.97 DE	CASCOT L-7	80.9 DE	STONEVILLE 302	23.9 DE
PAYMASTER 145	0.95 E	STONEVILLE 302	80.7 E	CASCOT L-7	23.4 E
COLORIMETER -RD		COLORIMETER - B		OIL (PERCENT)	
STONEVILLE 302	75.2 A	STONEVILLE 213	9.2 A	ACALA SJ C-1	21.10 A
CASCOT L-7	75.2 A	STONEVILLE 302	9.2 A	PAYMASTER 145	21.00 A
GSA 71	74.8 AB	DPL SR-383	9.1 A	GSA 71	20.67 AB
MCNAIR 235	74.8 AB	LANKART LX 571	8.9 AB	DPL SR-383	20.54 AB
LANKART LX 571	74.7 AB	GSA 71	8.9 AB	CASCOT L-7	20.50 AB
ACALA SJ C-1	74.7 AB	CASCOT L-7	8.9 AB	MCNAIR 235	20.35 AB
PAYMASTER 404	74.6 AB	PAYMASTER 404	8.9 AB	STONEVILLE 302	20.12 AB
DPL SR-383	74.4 AB	PAYMASTER 145	8.7 B	LANKART LX 571	19.65 BC
STONEVILLE 213	74.1 ABC	MCNAIR 235	8.6 B	PAYMASTER 404	19.65 BC
DUNN 219	73.8 BC	DUNN 219	8.6 B	STONEVILLE 213	19.06 C
PAYMASTER 145	73.0 C	ACALA SJ C-1	8.6 B	DUNN 219	19.01 C
NITROGEN (PERCENT)		FREE GOSSYPOL (PERCENT)		SEED GRADE	
DPL SR-383	3.96 A	STONEVILLE 213	0.75 A	LANKART LX 571	5.5 A
ACALA SJ C-1	3.94 A	STONEVILLE 302	0.69 AB	GSA 71	5.4 A
CASCOT L-7	3.94 A	MCNAIR 235	0.64 BC	CASCOT L-7	5.2 AB
LANKART LX 571	3.90 AB	GSA 71	0.63 BC	DPL SR-383	5.1 AB
PAYMASTER 145	3.89 AB	PAYMASTER 145	0.63 BC	PAYMASTER 145	5.0 ABC
GSA 71	3.88 AB	CASCOT L-7	0.60 C	STONEVILLE 302	4.6 BCD
STONEVILLE 302	3.87 AB	DPL SR-383	0.57 CD	MCNAIR 235	4.4 CD
MCNAIR 235	3.84 AB	PAYMASTER 404	0.57 CD	ACALA SJ C-1	4.3 D
DUNN 219	3.80 B	DUNN 219	0.52 DE	STONEVILLE 213	4.1 D
PAYMASTER 404	3.80 B	ACALA SJ C-1	0.47 E	PAYMASTER 404	4.1 D
STONEVILLE 213	3.78 B	LANKART LX 571	0.45 E	DUNN 219	4.0 D

1984 PLAINS REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING LUBBOCK(IRR), LAMESA(DRY) AND HALFWAY(IRR) TX

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
CASCOT L-7	803 A	5.44	36.2	10.0	132	1.00	.47	184	6.6	
PAYMASTER 145	772 AB	5.21	34.2	11.6	133	.95	.46	178	6.2	
DPL SR-383	753 AB	6.35	33.9	13.3	138	1.01	.49	190	6.7	
MCHAIR 235	732 AB	5.06	33.3	10.2	134	1.01	.47	183	6.7	
PAYMASTER 404	688 ABC	5.40	32.5	11.5	129	.97	.47	189	6.5	
STONEVILLE 302	669 ABCD	5.22	35.4	10.8	124	.97	.45	174	6.9	
GSA 71	642 BCD	5.81	31.9	8.9	126	1.00	.48	176	6.7	
STONEVILLE 213	557 CD	4.68	32.8	10.2	121	.98	.46	171	7.2	
DUNN 219	551 CD	5.83	31.1	12.8	143	1.06	.49	201	6.5	
LANKART LX 571	546 CD	6.66	31.4	13.5	122	1.04	.48	169	6.7	
ACALA SJ C-1	533 D	5.59	34.1	11.1	160	1.05	.51	222	6.4	

1984 PLAINS REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING LUBBOCK(IRR), LAMESA(DRY) AND HALFWAY(IRR) TX

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Se Gr
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
CASCOT L-7	1.00	79.7	23.5	77.0	8.8	20.78	3.90	.61	
PAYMASTER 145	.94	80.5	23.8	74.8	8.6	20.98	3.83	.61	
DPL SR-383	1.01	82.3	27.3	76.0	8.9	21.12	3.94	.64	
MCHAIR 235	1.01	80.8	24.8	76.1	9.5	20.32	3.75	.67	
PAYMASTER 404	.97	80.8	26.3	75.9	8.9	20.12	3.71	.61	
STONEVILLE 302	.95	79.3	24.2	76.7	9.1	20.19	3.89	.72	
GSA 71	.97	80.3	25.8	75.4	9.0	20.82	3.87	.70	
STONEVILLE 213	.97	80.7	24.7	75.4	9.4	19.15	3.71	.86	
DUNN 219	1.09	81.3	29.8	75.0	8.5	20.06	3.79	.58	
LANKART LX 571	1.04	80.2	24.8	76.5	8.8	20.65	3.90	.53	
ACALA SJ C-1	1.03	82.3	28.5	75.9	8.7	21.44	3.79	.48	



1984 PLAINS REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING CHILLICOTHE (DRY), TX; ALTUS(IRR), CHICKASHA (IRR. AND DRY), AND MANGUM(DRY), OK

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PAYMASTER 145	398 A	5.47	38.4	10.6	134	.97	.48	186	6.2	4.87
CASCOT L-7	354 AB	5.77	38.2	10.9	143	1.06	.51	198	6.2	4.20
LANKART LX 571	346 AB	7.34	37.6	13.0	130	1.02	.50	177	6.0	4.82
GSA 71	339 B	5.93	29.5	11.9	133	.98	.48	185	5.8	4.87
PAYMASTER 404	338 B	5.75	36.7	11.0	140	.98	.48	205	5.6	4.28
MCHAIR 235	329 B	5.25	39.1	10.2	139	1.04	.50	190	5.5	4.68
DPL SR-383	322 BC	6.19	37.6	11.8	148	.99	.49	212	5.7	5.18
STONEVILLE 213	320 BC	5.18	37.9	10.4	133	1.04	.51	193	5.7	4.87
STONEVILLE 302	309 BC	5.75	39.8	10.7	134	1.01	.49	184	5.9	4.53
DUNN 219	267 CD	6.37	35.7	13.0	156	1.08	.54	223	5.5	4.62
ACALA SJ C-1	248 D	5.77	38.6	11.5	180	1.08	.54	250	6.0	4.30

1984 PLAINS REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING CHILLICOTHE (DRY), TX; ALTUS(IRR), CHICKASHA (IRR. AND DRY), AND MANGUM(DRY), OK

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PAYMASTER 145	.96	82.3	24.3	71.3	8.8	21.03	3.95	.65	5.0
CASCOT L-7	1.05	82.2	23.3	73.3	9.0	20.22	3.98	.58	5.0
LANKART LX 571	1.02	82.2	24.2	72.8	9.1	18.64	3.89	.37	5.7
GSA 71	.99	82.7	25.0	74.2	8.8	20.52	3.90	.56	5.3
PAYMASTER 404	.97	82.0	25.0	73.3	9.0	19.19	3.88	.53	4.0
MCHAIR 235	1.06	82.7	25.7	73.5	8.8	20.39	3.93	.61	4.8
DPL SR-383	.97	82.8	27.7	72.8	9.2	19.95	3.98	.50	5.2
STONEVILLE 213	1.05	81.8	24.8	72.8	9.0	18.97	3.86	.63	4.8
STONEVILLE 302	1.02	82.2	23.7	73.7	9.2	20.04	3.86	.65	5.0
DUNN 219	1.12	83.3	29.8	72.6	8.7	17.96	3.82	.46	4.0
ACALA SJ C-1	1.07	84.2	30.7	73.6	8.6	20.76	4.08	.45	5.0

1984 PLAINS REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICR (Rea)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
LUBBOCK (IRR), TX	971 A	5.51	33.6	12.0	134	1.02	.47	180	6.6	3
HALFWAY, TX	663 B	5.25	35.5	9.5	131	.98	.45	184	6.8	3
ALTUS, OK	633 B	6.43	38.4	12.3	149	1.08	.54	201	6.2	4
CHS, OK (IRR)	385 C	6.68	36.4	12.3	0	.00	.00	0	.0	
LAMESA, TX	342 C	5.95	30.9	12.3	133	1.01	.50	191	6.5	3
CHS, OK (DRY)	241 D	5.48	39.2	10.3	138	.99	.48	189	5.5	4
CL (DRY), TX	215 D	4.99	35.1	10.2	141	1.01	.49	210	5.8	4
MANGUM, OK	148 E	5.94	36.9	11.7	0	.00	.00	0	.0	

1984 PLAINS REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
LUBBOCK (IRR), TX	1.02	80.6	24.6	77.2	9.1	19.95	3.96	.61	
HALFWAY, TX	.97	80.0	26.1	77.7	8.5	19.79	4.01	.60	
ALTUS, OK	1.09	83.8	25.8	78.1	8.9	20.87	3.76	.74	
CHS, OK (IRR)	.00	.0	.0	.0	.0	.00	.00	.00	
LAMESA, TX	1.00	81.7	26.6	72.8	8.9	21.79	3.50	.71	
CHS, OK (DRY)	.98	81.5	24.1	70.9	8.5	19.53	4.08	.39	
CL (DRY), TX	1.01	82.4	27.6	70.2	9.4	18.97	3.92	.51	
MANGUM, OK	.00	.0	.0	.0	.0	.00	.00	.00	



## 1984 PLAINS REGIONAL COTTON VARIETY TEST

LUBBOCK (IRR), TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
CASCOT L-7	1174 A	5.54	36.9	10.8	130	1.01	.47	175	6.7	3.65
DPL SR-383	1116 AB	6.33	34.3	13.7	136	1.03	.48	187	6.3	4.50
PAYMASTER 404	1890 AB	5.41	32.8	11.1	127	.99	.48	185	6.3	3.70
PAYMASTER 145	1083 AB	4.91	34.8	11.1	149	.95	.45	171	5.7	4.25
MCHAIR 235	1033 BC	5.00	32.9	10.8	136	1.03	.47	186	6.6	3.30
STONEVILLE 302	1809 BC	5.06	35.8	11.3	125	.98	.45	173	7.2	3.30
GSA 71	916 CD	5.69	31.9	13.1	128	1.03	.48	169	6.8	3.50
ACALA SJ C-1	829 DE	5.76	34.8	12.1	155	1.08	.54	214	6.5	3.70
STONEVILLE 213	826 DE	4.56	33.1	10.4	119	.98	.46	167	7.9	3.90
LANKART LX 571	816 DE	6.61	31.7	13.8	121	1.04	.45	160	6.4	3.40
DUNN 219	788 E	5.71	31.0	13.8	148	1.08	.48	198	6.5	3.50

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

LUBBOCK (IRR), TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
CASCOT L-7	1.03	79.5	22.0	78.8	9.0	19.96	4.04	.61	6.0
DPL SR-383	1.04	83.0	25.0	78.5	9.0	21.39	4.20	.63	5.0
PAYMASTER 404	.98	81.0	25.0	78.0	9.2	19.57	3.88	.54	4.5
PAYMASTER 145	.92	80.0	22.0	75.5	9.1	20.56	4.01	.57	5.0
MCHAIR 235	1.06	80.5	23.5	77.3	8.9	19.75	3.85	.63	4.0
STONEVILLE 302	.99	78.5	24.0	78.3	9.2	19.32	3.94	.69	4.5
GSA 71	1.01	79.5	26.0	76.8	9.1	20.56	4.04	.67	5.0
ACALA SJ C-1	1.06	83.0	27.0	76.5	8.9	21.66	3.91	.46	3.0
STONEVILLE 213	.98	80.5	24.0	77.0	9.7	17.41	3.77	.80	3.0
LANKART LX 571	1.05	80.0	25.0	77.8	9.1	20.00	4.00	.54	4.5
DUNN 219	1.11	81.5	27.5	75.3	8.7	19.26	3.96	.55	4.0

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

HALFWAY, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reac)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PAYMASTER 145	914 A	5.21	36.8	11.3	123	.96	.45	172	6.4	3.
CASCOT L-7	766 AB	4.96	38.2	8.6	132	.96	.45	188	6.8	3.
MCNAIR 235	755 AB	4.54	36.1	8.8	130	.95	.44	179	6.6	3.
STONEVILLE 382	708 BC	4.98	37.2	10.2	123	.97	.45	173	6.9	3.
DPL SR-383	704 BC	5.66	35.5	11.9	134	.97	.46	188	7.1	3.
GSA 71	690 BC	5.41	35.1	.0	129	.98	.47	174	7.1	3.
PAYMASTER 404	677 BC	5.06	34.6	10.1	128	.96	.45	194	7.0	3.
STONEVILLE 213	569 CD	4.38	35.6	9.3	121	.94	.44	172	6.8	3.
LANKART LX 571	542 CD	6.44	33.4	13.2	125	1.03	.47	170	7.3	3.
DUNN 219	536 CD	5.87	33.3	11.3	141	1.03	.47	197	6.8	3.
ACALA SJ C-1	435 D	5.25	35.1	9.8	159	.98	.46	225	6.4	3.

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

HALFWAY, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
PAYMASTER 145	.96	79.5	24.5	77.3	7.8	21.41	4.06	.60	
CASCOT L-7	.96	79.0	24.0	79.3	8.6	19.05	4.06	.57	
MCNAIR 235	.95	80.0	25.0	78.8	8.4	19.71	3.83	.65	
STONEVILLE 382	.94	79.5	24.0	77.8	8.8	19.18	4.07	.63	
DPL SR-383	.96	81.0	28.5	77.3	9.0	20.59	4.08	.60	
GSA 71	.94	79.5	27.0	77.5	8.3	19.82	4.12	.64	
PAYMASTER 404	.94	80.0	27.0	78.0	8.4	19.20	3.97	.55	
STONEVILLE 213	.94	79.5	24.0	77.0	9.3	18.43	3.80	.82	
LANKART LX 571	1.05	79.5	25.0	77.3	8.3	20.03	4.16	.49	
DUNN 219	1.08	81.0	29.5	76.8	8.1	19.31	3.96	.55	
ACALA SJ C-1	.97	81.0	28.5	78.3	8.4	20.97	4.02	.48	



## 1984 PLAINS REGIONAL COTTON VARIETY TEST

ALTUS, OK

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PAYMASTER 145	737 A	5.90	38.3	11.4	151	1.03	.52	193	6.0	5.10
STONEVILLE 213	684 AB	6.07	39.0	11.7	133	1.07	.53	184	6.8	5.05
MCNAIR 235	662 ABC	5.47	39.9	10.8	144	1.07	.53	203	5.7	4.75
CASCOT L-7	655 ABC	6.27	38.9	11.4	147	1.13	.55	202	6.7	4.35
DPL SR-383	643 BCD	6.55	38.0	12.7	154	1.05	.54	209	5.9	5.40
STONEVILLE 302	633 BCD	6.49	41.3	11.3	143	1.07	.54	182	6.5	4.65
PAYMASTER 404	632 BCD	6.33	37.0	12.5	148	1.04	.53	204	5.9	4.40
LANKART LX 571	619 BCD	7.81	38.9	13.8	132	1.07	.53	182	6.2	5.05
GSA 71	584 CD	6.34	36.6	12.9	141	1.04	.53	200	6.8	4.85
ACALA SJ C-1	563 D	6.50	39.3	12.3	181	1.09	.54	236	6.0	4.45
DUNN 219	553 D	7.06	35.1	14.3	167	1.15	.58	224	6.0	4.60

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

ALTUS, OK

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PAYMASTER 145	1.03	83.5	26.5	77.0	8.8	21.52	3.73	.86	5.0
STONEVILLE 213	1.07	82.0	25.0	78.3	9.4	19.23	3.60	.89	4.5
MCNAIR 235	1.13	84.5	26.5	78.8	8.7	22.66	3.79	.80	5.5
CASCOT L-7	1.14	83.5	24.5	79.0	8.6	21.62	3.70	.78	5.0
DPL SR-383	1.02	84.5	26.0	77.5	9.1	21.10	3.88	.73	5.0
STONEVILLE 302	1.11	84.0	23.5	78.0	9.0	21.05	3.67	.94	5.0
PAYMASTER 404	1.04	83.5	24.5	78.3	8.9	20.75	3.79	.74	4.0
LANKART LX 571	1.06	82.0	24.0	76.8	9.3	19.49	3.91	.47	6.0
GSA 71	1.09	84.5	24.5	79.0	8.7	20.64	3.77	.73	5.0
ACALA SJ C-1	1.13	85.0	28.5	78.8	8.9	21.81	3.88	.57	5.0
DUNN 219	1.20	85.0	30.0	78.3	8.8	19.70	3.67	.68	4.0

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

CHS,OK (IRR)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Rea)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PAYMASTER 145	549 A	6.20	37.3	11.7	0	.00	.00	0	.0	
MCNAIR 235	458 B	5.92	38.6	10.8	0	.00	.00	0	.0	
CASCOT L-7	431 BC	6.61	36.6	12.1	0	.00	.00	0	.0	
PAYMASTER 404	419 BCD	6.52	35.6	12.1	0	.00	.00	0	.0	
GSA 71	405 BCDE	6.67	35.9	12.9	0	.00	.00	0	.0	
LANKART LX 571	380 BCDEF	8.29	36.2	14.0	0	.00	.00	0	.0	
STONEVILLE 302	354 CDEFG	6.38	37.7	11.1	0	.00	.00	0	.0	
DPL SR-383	336 DEFG	7.25	34.8	13.4	0	.00	.00	0	.0	
STONEVILLE 213	327 EFG	5.67	35.2	11.5	0	.00	.00	0	.0	
DUNN 219	297 FG	7.21	34.0	13.8	0	.00	.00	0	.0	
ACALA SJ C-1	280 G	6.73	38.4	12.4	0	.00	.00	0	.0	

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

CHS,OK (IRR)

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
MCNAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
CASCOT L-7	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 404	.00	.0	.0	.0	.0	.00	.00	.00	
GSA 71	.00	.0	.0	.0	.0	.00	.00	.00	
LANKART LX 571	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 302	.00	.0	.0	.0	.0	.00	.00	.00	
DPL SR-383	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
DUNN 219	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	



## 1984 PLAINS REGIONAL COTTON VARIETY TEST

LAMESA, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
CASCOT L-7	469 A	5.82	33.5	10.8	134	1.03	.48	190	6.3	3.55
DPL SR-383	439 A	7.87	31.8	14.1	143	1.04	.53	197	6.6	4.70
MCNAIR 235	408 AB	5.65	30.9	10.9	137	1.03	.50	184	6.9	3.70
ACALA SJ C-1	335 BC	5.77	32.5	11.5	166	1.07	.54	229	6.3	3.65
DUNN 219	330 BC	5.92	29.1	13.3	142	1.07	.51	208	6.2	3.60
GSA 71	319 C	6.33	28.6	13.6	122	.98	.48	185	6.3	4.20
PAYMASTER 145	319 C	5.53	31.1	12.2	126	.96	.49	191	6.3	4.15
PAYMASTER 404	298 C	5.72	30.0	13.4	133	.97	.48	188	6.3	4.05
STONEVILLE 302	290 C	5.62	33.3	10.9	124	.95	.43	176	6.7	3.80
LANKART LX 571	281 C	6.93	29.3	13.6	122	1.03	.51	177	6.5	3.75
STONEVILLE 213	276 C	5.09	29.5	10.8	122	1.01	.49	174	7.0	4.40

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

LAMESA, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
CASCOT L-7	1.01	80.5	24.5	73.8	8.7	23.31	3.58	.64	5.0
DPL SR-383	1.03	83.0	28.5	72.3	8.7	21.39	3.54	.69	5.0
MCNAIR 235	1.01	82.0	26.0	72.3	8.3	21.50	3.58	.74	4.0
ACALA SJ C-1	1.04	83.0	30.0	73.0	8.8	21.68	3.46	.51	4.0
DUNN 219	1.07	81.5	32.5	73.0	8.6	21.60	3.45	.64	4.0
GSA 71	.96	82.0	24.5	72.0	9.6	22.09	3.43	.78	5.5
PAYMASTER 145	.94	82.0	25.0	71.5	9.0	20.97	3.42	.66	5.0
PAYMASTER 404	.99	81.5	27.0	71.8	9.1	21.59	3.29	.73	4.0
STONEVILLE 302	.93	80.0	24.5	74.0	9.4	22.06	3.66	.84	4.0
LANKART LX 571	1.01	81.0	24.5	74.5	8.9	21.93	3.54	.55	5.5
STONEVILLE 213	.98	82.0	26.0	72.3	9.2	21.62	3.55	.98	3.5

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

CHS,OK (DRY)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
STONEVILLE 213	281 A	4.62	39.8	9.3	130	1.00	.49	184	5.0	
PAYMASTER 145	263 A	5.06	38.9	10.0	124	.94	.46	170	6.6	
PAYMASTER 404	261 A	5.33	37.4	10.0	135	.95	.46	196	5.1	
LANKART LX 571	259 A	6.78	38.4	11.7	131	.96	.45	162	5.5	
GSA 71	259 A	5.55	38.1	10.9	127	.94	.47	161	4.8	
DPL SR-383	250 A	5.46	39.4	10.3	146	.96	.47	210	5.1	
CASCOT L-7	249 A	5.34	39.9	9.6	136	1.01	.48	182	5.6	
STONEVILLE 302	245 A	5.37	42.0	10.1	131	.98	.47	178	5.6	
MCNAIR 235	239 A	5.08	39.6	9.7	138	1.03	.49	185	5.5	
DUNN 219	198 B	5.58	38.1	11.6	147	1.03	.49	207	4.8	
ACALA SJ C-1	145 C	5.19	39.3	10.3	176	1.08	.55	251	6.7	

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

CHS,OK (DRY)

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Se Gr
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
STONEVILLE 213	1.02	80.5	22.5	72.3	8.5	18.78	4.01	.45	
PAYMASTER 145	.92	81.0	21.0	70.3	8.6	20.27	4.02	.58	
PAYMASTER 404	.91	81.0	25.0	69.8	8.5	19.02	4.08	.36	
LANKART LX 571	.98	82.5	23.0	71.0	8.5	18.45	3.99	.27	
GSA 71	.91	81.5	23.0	72.0	8.4	20.43	3.96	.40	
DPL SR-383	.93	81.0	27.5	71.0	9.1	19.75	4.10	.34	
CASCOT L-7	.98	80.5	20.5	69.5	8.7	19.52	4.26	.41	
STONEVILLE 302	.97	81.0	22.0	70.5	8.9	19.77	3.99	.42	
MCNAIR 235	1.04	82.5	24.0	71.5	7.9	21.09	4.16	.41	
DUNN 219	1.06	82.0	27.0	70.8	8.5	17.20	4.01	.29	
ACALA SJ C-1	1.02	83.0	30.0	71.9	7.9	20.63	4.27	.35	



## 1984 PLAINS REGIONAL COTTON VARIETY TEST

CL (DRY),TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DPL SR-383	256 A	5.28	37.6	10.6	144	.96	.48	218	6.0	4.95
PAYMASTER 404	250 A	4.63	36.7	9.3	139	.97	.46	214	5.8	3.80
PAYMASTER 145	247 A	4.45	39.5	9.3	128	.96	.47	197	5.9	4.60
CASCOT L-7	243 A	5.21	38.0	10.7	146	1.04	.50	212	6.3	4.05
LANKART LX 571	226 AB	6.27	38.0	11.7	129	1.02	.53	187	6.5	4.45
GSA 71	224 AB	5.18	.0	11.0	133	.95	.46	195	5.7	4.40
STONEVILLE 213	199 BC	4.52	38.9	9.3	136	1.04	.51	213	5.4	4.50
STONEVILLE 302	193 BC	4.62	40.9	9.4	129	.98	.47	193	5.7	4.25
ACALA SJ C-1	187 C	4.80	39.9	10.2	182	1.05	.52	263	5.4	3.90
DUNN 219	181 C	5.59	36.6	11.7	155	1.07	.54	238	6.0	4.35
MCNAIR 235	164 C	4.30	39.8	9.2	136	1.01	.48	182	5.3	4.65

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

CL (DRY),TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
DPL SR-383	.96	83.0	29.5	70.0	9.5	19.00	3.95	.44	4.5
PAYMASTER 404	.95	81.5	25.5	72.0	9.6	17.80	3.78	.48	4.0
PAYMASTER 145	.95	82.5	25.5	66.5	9.1	21.30	4.10	.51	5.0
CASCOT L-7	1.04	82.5	25.0	71.5	9.6	19.53	3.96	.56	5.0
LANKART LX 571	1.02	82.0	25.5	70.8	9.6	18.00	3.79	.38	5.0
GSA 71	.97	82.0	27.5	71.5	9.3	20.50	3.96	.54	5.0
STONEVILLE 213	1.06	83.0	27.0	68.0	9.0	18.97	3.95	.56	5.0
STONEVILLE 302	.97	81.5	25.5	72.5	9.7	19.31	3.92	.60	5.0
ACALA SJ C-1	1.07	84.5	33.5	70.3	9.0	19.84	4.09	.43	5.0
DUNN 219	1.09	83.0	32.5	68.8	8.9	16.98	3.77	.42	3.0
MCNAIR 235	1.00	81.0	26.5	70.3	9.7	17.42	3.85	.63	4.0

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

MANGUM, OK

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
LANKART LX 571	245 A	7.54	36.7	13.8	0	.00	.00	0	.0	
GSA 71	225 A	5.90	37.0	11.7	0	.00	.00	0	.0	
PAYMASTER 145	193 AB	5.73	38.0	10.5	0	.00	.00	0	.0	
CASCOT L-7	191 AB	5.41	37.5	10.9	0	.00	.00	0	.0	
PAYMASTER 404	129 BC	5.96	36.7	10.8	0	.00	.00	0	.0	
DPL SR-383	125 BC	6.41	38.3	12.1	0	.00	.00	0	.0	
MCHAIR 235	120 BC	5.46	37.7	10.7	0	.00	.00	0	.0	
STONEVILLE 302	118 BC	5.89	37.0	11.4	0	.00	.00	0	.0	
STONEVILLE 213	111 BC	5.02	36.5	10.3	0	.00	.00	0	.0	
DUNN 219	108 BC	6.38	34.8	13.8	0	.00	.00	0	.0	
ACALA SJ C-1	67 C	5.64	36.1	12.2	0	.00	.00	0	.0	

## 1984 PLAINS REGIONAL COTTON VARIETY TEST

MANGUM, OK

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Se Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
LANKART LX 571	.00	.0	.0	.0	.0	.00	.00	.00	
GSA 71	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 145	.00	.0	.0	.0	.0	.00	.00	.00	
CASCOT L-7	.00	.0	.0	.0	.0	.00	.00	.00	
PAYMASTER 404	.00	.0	.0	.0	.0	.00	.00	.00	
DPL SR-383	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 302	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
DUNN 219	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	



1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 235	1364 A	6.05	40.0	10.5	140	1.13	.54	193	6.4	4.15
DELTAPINE 90	1330 AB	5.75	40.8	10.7	149	1.14	.54	209	7.0	4.30
MCHAIR 220	1246 ABC	5.86	39.1	10.8	142	1.13	.54	190	6.5	4.13
STONEVILLE 213	1240 ABC	5.61	39.2	11.0	129	1.13	.54	182	7.4	4.33
ACALA 1517-E2	1201 BC	6.26	38.6	12.4	161	1.17	.57	218	6.5	4.03
ACALA 1517-77	1196 BC	6.14	36.5	12.2	168	1.19	.58	228	6.3	4.27
ACALA 1517-75	1182 BC	5.86	38.5	12.2	167	1.19	.58	227	6.7	3.88
PAYMASTER 145	1160 C	6.01	39.2	10.8	134	1.09	.53	194	6.4	4.28
ACALA SJ C-1	1146 C	6.58	39.2	11.6	166	1.16	.59	225	6.6	4.07
ACALA 1517 SR1	1127 C	6.18	37.9	12.3	166	1.19	.58	216	6.6	3.85

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCHAIR 235	1.16	84.2	25.2	76.3	8.5	21.87	3.52	.88	5.0
DELTAPINE 90	1.18	83.7	29.3	77.2	8.3	22.29	3.53	.90	5.0
MCHAIR 220	1.14	82.8	26.5	75.1	8.4	21.75	3.63	.74	5.0
STONEVILLE 213	1.15	83.0	24.7	76.8	9.0	19.59	3.54	1.02	4.0
ACALA 1517-E2	1.21	84.5	29.2	76.3	8.5	22.34	3.63	.77	5.3
ACALA 1517-77	1.23	84.8	30.2	76.5	8.7	22.92	3.52	.75	4.3
ACALA 1517-75	1.22	85.2	29.3	75.8	8.6	22.68	3.52	.76	5.0
PAYMASTER 145	1.06	82.5	24.5	74.4	8.3	23.23	3.62	.85	5.3
ACALA SJ C-1	1.19	85.5	28.8	77.4	8.5	22.37	3.67	.60	4.3
ACALA 1517 SR1	1.23	84.3	29.2	76.9	8.8	22.25	3.65	.66	5.0

SEE REPORTING VARIATIONS: PAGE 4

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

ACALA SJ C-1	6.58 A
ACALA 1517-E2	6.26 AB
ACALA 1517 SR1	6.18 AB
ACALA 1517-77	6.14 AB
MCNAIR 235	6.05 AB
PAYMASTER 145	6.01 AB
MCNAIR 220	5.86 B
ACALA 1517-75	5.86 B
DELTAPINE 90	5.75 B
STONEVILLE 213	5.61 B

LINT PCT

DELTAPINE 90	40.8 A
MCNAIR 235	40.0 AB
STONEVILLE 213	39.2 BC
PAYMASTER 145	39.2 BC
ACALA SJ C-1	39.2 BC
MCNAIR 220	39.1 BC
ACALA 1517-E2	38.6 BC
ACALA 1517-75	38.4 BC
ACALA 1517 SR1	37.8 CD
ACALA 1517-77	36.5 D

SEED INDEX

ACALA 1517-E2	12.4 A
ACALA 1517 SR1	12.3 A
ACALA 1517-77	12.2 A
ACALA 1517-75	12.1 AB
ACALA SJ C-1	11.6 ABC
STONEVILLE 213	11.0 BC
MCNAIR 220	10.8 C
PAYMASTER 145	10.8 C
DELTAPINE 90	10.6 C
MCNAIR 235	10.5 C

YARN TENACITY

ACALA 1517-77	168 A
ACALA 1517-75	167 A
ACALA SJ C-1	166 A
ACALA 1517 SR1	166 A
ACALA 1517-E2	161 A
DELTAPINE 90	149 B
MCNAIR 220	142 BC
MCNAIR 235	140 CD
PAYMASTER 145	134 DE
STONEVILLE 213	129 E

FIBROGRAPH—2.5% S.L.

ACALA 1517-75	1.19 A
ACALA 1517-77	1.19 A
ACALA 1517 SR1	1.19 A
ACALA 1517-E2	1.17 AB
ACALA SJ C-1	1.15 AB
DELTAPINE 90	1.14 B
STONEVILLE 213	1.13 BC
MCNAIR 220	1.13 BC
MCNAIR 235	1.13 BC
PAYMASTER 145	1.09 C

FIBROGRAPH—50% S.L.

ACALA SJ C-1	0.59 A
ACALA 1517-75	0.58 A
ACALA 1517-77	0.58 A
ACALA 1517 SR1	0.58 A
ACALA 1517-E2	0.57 AB
STONEVILLE 213	0.54 BC
MCNAIR 220	0.54 BC
MCNAIR 235	0.54 BC
DELTAPINE 90	0.54 BC
PAYMASTER 145	0.53 C

STELOMETER - T1

ACALA 1517-77	228 A
ACALA 1517-75	227 A
ACALA SJ C-1	225 A
ACALA 1517-E2	218 AB
ACALA 1517 SR1	216 AB
DELTAPINE 90	209 B
PAYMASTER 145	194 C
MCNAIR 235	193 C
MCNAIR 220	190 C
STONEVILLE 213	182 C

STELOMETER - E1

STONEVILLE 213	7.4 A
DELTAPINE 90	7.0 AB
ACALA 1517-75	6.7 BC
ACALA 1517 SR1	6.6 BC
MCNAIR 220	6.5 BC
ACALA 1517-E2	6.5 BC
ACALA SJ C-1	6.5 BC
MCNAIR 235	6.4 BC
PAYMASTER 145	6.4 BC
ACALA 1517-77	6.3 C

MICRONAIRE

STONEVILLE 213	4.33 A
DELTAPINE 90	4.30 AB
PAYMASTER 145	4.28 AB
ACALA 1517-77	4.27 AB
MCNAIR 235	4.15 ABC
MCNAIR 220	4.13 ABC
ACALA SJ C-1	4.07 BCD
ACALA 1517-E2	4.03 CD
ACALA 1517-75	3.88 D
ACALA 1517 SR1	3.85 D

SEE REPORTING VARIATIONS: PAGE 4



1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

UHM (INCHES)

ACALA 1517-77	1.23 A
ACALA 1517 SR1	1.23 A
ACALA 1517-75	1.22 AB
ACALA 1517-E2	1.21 AB
ACALA SJ C-1	1.19 ABC
DELTAPINE 90	1.18 BCD
MCNAIR 235	1.16 CD
STONEVILLE 213	1.15 CD
MCNAIR 220	1.14 D
PAYMASTER 145	1.06 E

UNIFORMITY (PERCENT)

ACALA SJ C-1	85.5 A
ACALA 1517-75	85.2 AB
ACALA 1517-77	84.8 AB
ACALA 1517-E2	84.5 BC
ACALA 1517 SR1	84.3 BC
MCNAIR 235	84.2 BC
DELTAPINE 90	83.7 CD
STONEVILLE 213	83.0 DE
MCNAIR 220	82.8 DE
PAYMASTER 145	82.5 E

TENACITY (G/TEX)

ACALA 1517-77	30.2 A
ACALA 1517-75	29.3 AB
DELTAPINE 90	29.3 AB
ACALA 1517-E2	29.2 AB
ACALA 1517 SR1	29.2 AB
ACALA SJ C-1	28.8 AB
MCNAIR 220	26.5 BC
MCNAIR 235	25.2 C
STONEVILLE 213	24.7 C
PAYMASTER 145	24.5 C

COLORIMETER -RD

ACALA SJ C-1	77.4 A
DELTAPINE 90	77.2 A
ACALA 1517 SR1	76.9 A
STONEVILLE 213	76.8 A
ACALA 1517-77	76.5 A
MCNAIR 235	76.2 A
ACALA 1517-E2	76.2 A
ACALA 1517-75	75.7 A
MCNAIR 220	75.1 A
PAYMASTER 145	74.4 A

COLORIMETER - B

STONEVILLE 213	9.0 A
ACALA 1517 SR1	8.8 AB
ACALA 1517-77	8.7 AB
ACALA 1517-75	8.6 AB
MCNAIR 235	8.5 AB
ACALA 1517-E2	8.5 AB
ACALA SJ C-1	8.5 AB
MCNAIR 220	8.4 B
PAYMASTER 145	8.3 B
DELTAPINE 90	8.3 B

OIL (PERCENT)

PAYMASTER 145	23.23 A
ACALA 1517-77	22.92 AB
ACALA 1517-75	22.68 ABC
ACALA SJ C-1	22.37 ABC
ACALA 1517-E2	22.34 ABC
DELTAPINE 90	22.29 ABC
ACALA 1517 SR1	22.25 BC
MCNAIR 235	21.87 C
MCNAIR 220	21.75 C
STONEVILLE 213	19.59 D

NITROGEN (PERCENT)

ACALA SJ C-1	3.67 A
ACALA 1517 SR1	3.65 A
MCNAIR 220	3.63 A
ACALA 1517-E2	3.63 A
PAYMASTER 145	3.62 A
STONEVILLE 213	3.54 A
DELTAPINE 90	3.53 A
ACALA 1517-75	3.52 A
MCNAIR 235	3.52 A
ACALA 1517-77	3.52 A

FREE GOSSYPOL (PERCENT)

STONEVILLE 213	1.02 A
DELTAPINE 90	0.90 AB
MCNAIR 235	0.88 BC
PAYMASTER 145	0.85 BC
ACALA 1517-E2	0.77 BCD
ACALA 1517-75	0.76 BCD
ACALA 1517-77	0.75 CD
MCNAIR 220	0.74 CD
ACALA 1517 SR1	0.66 DE
ACALA SJ C-1	0.60 E

SEED GRADE

PAYMASTER 145	5.3 A
ACALA 1517-E2	5.3 A
MCNAIR 220	5.0 A
ACALA 1517-75	5.0 A
MCNAIR 235	5.0 A
DELTAPINE 90	5.0 A
ACALA 1517 SR1	5.0 A
ACALA 1517-77	4.3 B
ACALA SJ C-1	4.3 B
STONEVILLE 213	4.0 B

SEE REPORTING VARIATIONS: PAGE 4

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
LAS CR,NM	1367 A	6.04	39.2	11.6	151	1.19	.58	210	6.7	
ARTESIA,NM	1158 B	6.64	38.4	11.4	153	1.17	.57	217	7.0	
EL PASO,TX	1132 B	5.40	39.1	.0	151	1.10	.53	198	6.2	

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER			Seed Data			Se
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Gr	
LAS CR,NM	1.21	83.9	28.5	76.7	9.2	21.95	3.64	.81		
ARTESIA,NM	1.21	85.3	28.2	77.0	9.2	22.50	3.48	.84		
EL PASO,TX	1.12	83.0	26.4	75.1	7.3	21.93	3.63	.73		

SEE REPORTING VARIATIONS: PAGE 4



## 1984 WESTERN REGIONAL COTTON VARIETY TEST

LAS CR, NM

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1579	A	6.05	40.5	10.6	138	1.17	.56	191	6.2	4.25
DELTAPINE 90	1487	AB	5.38	41.0	11.2	150	1.19	.55	202	7.3	4.30
MCNAIR 220	1462	B	5.99	39.1	10.4	138	1.15	.55	189	6.7	4.20
STONEVILLE 213	1418	BC	5.91	39.5	10.8	128	1.17	.57	188	7.4	4.45
ACALA 1517-77	1332	CD	6.48	36.8	12.6	168	1.22	.59	229	6.3	4.20
ACALA 1517-E2	1314	D	6.25	39.8	12.8	163	1.20	.60	225	6.5	4.10
ACALA 1517 SR1	1308	D	6.13	38.1	12.9	165	1.21	.60	216	6.4	3.95
ACALA 1517-75	1300	D	5.96	37.6	12.2	169	1.23	.63	231	6.5	3.90
ACALA SJ C-1	1239	D	6.55	40.2	11.8	167	1.19	.61	226	7.0	4.25
PAYMASTER 145	1233	D	5.76	39.4	10.4	132	1.14	.54	204	6.5	4.20

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

LAS CR, NM

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 235	1.18	84.0	26.0	76.5	9.2	22.08	3.56	.84	5.0
DELTAPINE 90	1.24	83.5	31.0	77.0	9.0	21.80	3.65	.85	5.0
MCNAIR 220	1.16	82.5	28.0	76.3	9.0	21.45	3.69	.67	5.0
STONEVILLE 213	1.19	83.0	25.0	77.8	9.2	19.83	3.67	1.04	4.0
ACALA 1517-77	1.27	84.5	31.0	76.5	9.4	22.41	3.56	.72	4.0
ACALA 1517-E2	1.25	85.5	32.0	77.0	9.3	22.18	3.67	.85	5.0
ACALA 1517 SR1	1.28	84.5	30.5	76.0	9.5	21.81	3.66	.75	5.0
ACALA 1517-75	1.26	85.0	27.5	76.8	9.5	22.70	3.67	.93	5.0
ACALA SJ C-1	1.22	85.0	29.0	77.8	9.1	21.84	3.73	.58	4.0
PAYMASTER 145	1.05	81.5	25.0	75.3	8.7	23.43	3.58	.83	5.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

EL PASO, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		HII (R)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1298 A	5.95	41.6	.0	147	1.09	.52	198	6.5	
STONEVILLE 213	1268 A	4.80	40.1	.0	130	1.07	.51	166	6.9	
MCHAIR 235	1256 AB	5.13	40.0	.0	135	1.10	.53	188	6.2	
ACALA 1517-75	1145 ABC	5.21	39.8	.0	169	1.13	.54	216	6.2	
ACALA 1517-77	1110 BC	5.70	37.2	.0	167	1.15	.56	222	5.8	
ACALA SJ C-1	1108 BC	5.92	38.9	.0	166	1.08	.54	220	6.3	
MCHAIR 220	1091 CD	4.67	40.3	.0	137	1.05	.48	169	6.0	
ACALA 1517-E2	1088 CD	5.59	37.6	.0	164	1.15	.54	214	6.8	
PAYMASTER 145	1014 CD	5.57	38.8	.0	131	1.02	.50	174	5.8	
ACALA 1517 SR1	940 D	5.50	37.1	.0	171	1.16	.56	214	5.9	

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

EL PASO, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			S <sub>g</sub> Gr
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 90	1.10	82.5	27.0	78.3	7.0	21.87	3.48	.90	
STONEVILLE 213	1.08	82.0	23.0	75.5	8.1	19.57	3.43	.93	
MCHAIR 235	1.10	82.5	24.5	73.3	7.0	22.04	3.60	.85	
ACALA 1517-75	1.16	84.0	28.5	74.5	6.8	22.08	3.56	.67	
ACALA 1517-77	1.18	83.5	29.5	76.0	7.3	23.47	3.58	.76	
ACALA SJ C-1	1.13	84.5	29.0	77.5	7.4	22.12	3.85	.52	
MCHAIR 220	1.04	82.0	23.0	70.8	6.9	21.09	3.70	.69	
ACALA 1517-E2	1.17	83.0	28.0	75.0	6.9	22.16	3.65	.70	
PAYMASTER 145	1.02	82.0	22.5	71.8	7.5	23.04	3.77	.79	
ACALA 1517 SR1	1.19	83.5	29.0	78.3	7.7	21.91	3.65	.52	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 WESTERN REGIONAL COTTON VARIETY TEST

ARTESIA, NM

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1258 A	6.96	39.8	10.4	148	1.11	.54	200	6.8	3.95
PAYMASTER 145	1233 AB	6.71	39.5	11.1	139	1.13	.55	205	6.8	4.10
DELTAPINE 90	1206 AB	5.91	39.7	10.1	152	1.14	.54	228	7.2	4.30
ACALA 1517-E2	1201 AB	6.94	38.6	12.2	156	1.18	.57	216	6.2	4.05
MCNAIR 220	1184 AB	6.93	38.0	11.3	151	1.19	.59	212	7.0	4.20
ACALA 1517-77	1145 ABC	6.25	35.6	11.9	170	1.20	.60	235	6.6	4.15
ACALA 1517 SR1	1132 ABC	6.91	38.3	11.8	162	1.19	.58	219	7.5	3.85
ACALA 1517-75	1100 BC	6.42	37.9	12.1	163	1.21	.57	235	7.4	3.80
ACALA SJ C-1	1092 BC	7.28	38.4	11.4	166	1.19	.61	231	6.5	3.90
STONEVILLE 213	1033 C	6.13	37.9	11.3	131	1.15	.55	192	7.9	4.25

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

ARTESIA, NM

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCNAIR 235	1.19	86.0	25.0	79.0	9.3	21.50	3.39	.94	5.0
PAYMASTER 145	1.10	84.0	26.0	76.3	8.6	23.21	3.52	.95	6.0
DELTAPINE 90	1.20	85.0	30.0	76.3	9.0	23.21	3.48	.95	5.0
ACALA 1517-E2	1.21	85.0	27.5	76.8	9.3	22.69	3.58	.76	6.0
MCNAIR 220	1.22	84.0	28.5	78.3	9.4	22.71	3.50	.85	5.0
ACALA 1517-77	1.25	86.5	30.0	77.0	9.4	22.89	3.41	.76	5.0
ACALA 1517 SR1	1.23	85.0	28.0	76.5	9.3	23.03	3.66	.72	5.0
ACALA 1517-75	1.26	86.5	32.0	76.0	9.5	23.27	3.33	.70	5.0
ACALA SJ C-1	1.22	87.0	28.5	77.0	9.1	23.16	3.44	.71	5.0
STONEVILLE 213	1.18	84.0	26.0	77.3	9.6	19.37	3.54	1.10	4.0

SEE REPORTING VARIATIONS: PAGE 4

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1362 A	5.90	39.5	10.8	136	1.10	.52	189	6.2	
DELTAPINE 90	1344 A	5.61	40.1	10.8	148	1.12	.53	212	6.7	
STONEVILLE 213	1271 AB	5.51	38.4	11.3	127	1.11	.53	181	7.1	
ACALA 1517-75	1174 BC	5.85	37.9	12.6	166	1.18	.57	231	6.5	
ACALA 1517-77	1169 BC	6.06	35.8	12.9	168	1.18	.57	231	6.1	
ACALA 1517-E2	1160 BC	6.05	38.1	12.8	160	1.17	.56	222	6.3	
ACALA SJ C-1	1134 C	6.50	38.7	12.1	166	1.15	.57	229	6.3	
PAYMASTER 145	1109 C	5.88	38.7	11.1	131	1.07	.52	190	6.2	
ACALA 1517 SR1	1095 C	6.05	37.2	12.9	165	1.17	.56	221	6.3	

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Gr
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
MCNAIR 235	1.14	83.3	25.1	75.8	8.6	21.77	3.56	.86	
DELTAPINE 90	1.16	82.6	30.0	76.6	8.3	22.14	3.52	.89	
STONEVILLE 213	1.13	82.1	24.9	75.9	8.8	19.85	3.52	1.01	
ACALA 1517-75	1.21	84.6	29.9	74.8	8.4	22.52	3.56	.75	
ACALA 1517-77	1.22	84.4	30.9	75.4	8.6	22.71	3.54	.73	
ACALA 1517-E2	1.20	84.1	29.8	75.3	8.5	22.20	3.68	.75	
ACALA SJ C-1	1.18	84.9	29.9	76.4	8.5	22.36	3.72	.57	
PAYMASTER 145	1.05	82.1	24.8	74.1	8.2	23.14	3.63	.84	
ACALA 1517 SR1	1.22	84.0	29.8	75.4	8.8	21.85	3.67	.66	

SEE REPORTING VARIATIONS: PAGE 4



1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

ACALA SJ C-1	6.50 A
ACALA 1517-77	6.06 B
ACALA 1517-E2	6.05 B
ACALA 1517 SR1	6.05 B
MCNAIR 235	5.90 BC
PAYMASTER 145	5.88 BC
ACALA 1517-75	5.85 BC
DELTAPINE 90	5.61 BC
STONEVILLE 213	5.51 C

LINT PCT

DELTAPINE 90	40.1 A
MCNAIR 235	39.5 AB
PAYMASTER 145	38.7 BC
ACALA SJ C-1	38.7 BC
STONEVILLE 213	38.4 BC
ACALA 1517-E2	38.1 CD
ACALA 1517-75	37.9 CD
ACALA 1517 SR1	37.2 D
ACALA 1517-77	35.8 E

SEED INDEX

ACALA 1517-77	12.9 A
ACALA 1517 SR1	12.9 A
ACALA 1517-E2	12.8 AB
ACALA 1517-75	12.6 AB
ACALA SJ C-1	12.1 B
STONEVILLE 213	11.3 C
PAYMASTER 145	11.1 C
MCNAIR 235	10.8 C
DELTAPINE 90	10.8 C

YARN TENACITY

ACALA 1517-77	168 A
ACALA 1517-75	166 AB
ACALA SJ C-1	166 AB
ACALA 1517 SR1	165 AB
ACALA 1517-E2	160 B
DELTAPINE 90	148 C
MCNAIR 235	136 D
PAYMASTER 145	131 DE
STONEVILLE 213	127 E

FIBROGRAPH--2.5% S.L.

ACALA 1517-75	1.18 A
ACALA 1517-77	1.18 A
ACALA 1517 SR1	1.17 A
ACALA 1517-E2	1.16 A
ACALA SJ C-1	1.15 AB
DELTAPINE 90	1.12 BC
STONEVILLE 213	1.11 C
MCNAIR 235	1.10 CD
PAYMASTER 145	1.07 D

FIBROGRAPH--50% S.L.

ACALA 1517-75	0.57 A
ACALA 1517-77	0.57 A
ACALA SJ C-1	0.57 A
ACALA 1517-E2	0.56 A
ACALA 1517 SR1	0.56 A
STONEVILLE 213	0.53 B
MCNAIR 235	0.52 B
PAYMASTER 145	0.52 B
DELTAPINE 90	0.52 B

STELOMETER - T1

ACALA 1517-75	231 A
ACALA 1517-77	231 A
ACALA SJ C-1	229 A
ACALA 1517-E2	222 AB
ACALA 1517 SR1	221 AB
DELTAPINE 90	212 B
PAYMASTER 145	190 C
MCNAIR 235	189 C
STONEVILLE 213	181 C

STELOMETER - E1

STONEVILLE 213	7.1 A
DELTAPINE 90	6.6 B
ACALA 1517-75	6.5 B
ACALA 1517-E2	6.3 B
ACALA SJ C-1	6.3 B
ACALA 1517 SR1	6.3 B
MCNAIR 235	6.2 B
PAYMASTER 145	6.2 B
ACALA 1517-77	6.1 B

MICRONAIRE

PAYMASTER 145	4.47 A
DELTAPINE 90	4.42 A
STONEVILLE 213	4.41 A
ACALA 1517-77	4.31 AB
MCNAIR 235	4.30 AB
ACALA SJ C-1	4.15 BC
ACALA 1517-E2	4.10 BC
ACALA 1517 SR1	3.96 C
ACALA 1517-75	3.94 C

SEE REPORTING VARIATIONS: PAGE 4

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

UHM (INCHES)	
ACALA 1517-77	1.22 A
ACALA 1517 SR1	1.22 A
ACALA 1517-75	1.21 A
ACALA 1517-E2	1.20 A
ACALA SJ C-1	1.17 B
DELTAPINE 90	1.16 BC
MCNAIR 235	1.14 CD
STONEVILLE 213	1.13 D
PAYMASTER 145	1.05 E

UNIFORMITY (PERCENT)	
ACALA SJ C-1	84.9 A
ACALA 1517-75	84.6 A
ACALA 1517-77	84.4 A
ACALA 1517-E2	84.1 AB
ACALA 1517 SR1	84.0 AB
MCNAIR 235	83.2 BC
DELTAPINE 90	82.6 CD
STONEVILLE 213	82.1 D
PAYMASTER 145	82.1 D

TENACITY (G/TEX)	
ACALA 1517-77	30.9 A
DELTAPINE 90	30.0 A
ACALA 1517-75	29.9 A
ACALA 1517-E2	29.7 A
ACALA SJ C-1	29.7 A
ACALA 1517 SR1	29.7 A
MCNAIR 235	25.1 B
STONEVILLE 213	24.9 B
PAYMASTER 145	24.7 B

COLORIMETER -RD	
DELTAPINE 90	76.6 A
ACALA SJ C-1	76.4 A
STONEVILLE 213	75.9 AB
MCNAIR 235	75.7 AB
ACALA 1517-77	75.4 AB
ACALA 1517 SR1	75.4 AB
ACALA 1517-E2	75.3 AB
ACALA 1517-75	74.8 AB
PAYMASTER 145	74.1 B

COLORIMETER - B	
STONEVILLE 213	8.8 A
ACALA 1517 SR1	8.8 A
MCNAIR 235	8.5 AB
ACALA 1517-77	8.5 AB
ACALA 1517-E2	8.5 AB
ACALA SJ C-1	8.5 AB
ACALA 1517-75	8.4 AB
DELTAPINE 90	8.3 AB
PAYMASTER 145	8.2 B

OIL (PERCENT)	
PAYMASTER 145	23.14 A
ACALA 1517-77	22.71 AB
ACALA 1517-75	22.52 ABC
ACALA SJ C-1	22.36 ABC
ACALA 1517-E2	22.20 BC
DELTAPINE 90	22.14 BC
ACALA 1517 SR1	21.85 BC
MCNAIR 235	21.76 C
STONEVILLE 213	19.85 D

NITROGEN (PERCENT)	
ACALA SJ C-1	3.72 A
ACALA 1517-E2	3.68 AB
ACALA 1517 SR1	3.67 ABC
PAYMASTER 145	3.63 ABC
ACALA 1517-75	3.56 BC
MCNAIR 235	3.56 BC
ACALA 1517-77	3.54 BC
STONEVILLE 213	3.52 C
DELTAPINE 90	3.52 C

FREE GOSSYPOL (PERCENT)	
STONEVILLE 213	1.01 A
DELTAPINE 90	0.89 B
MCNAIR 235	0.86 B
PAYMASTER 145	0.84 BC
ACALA 1517-75	0.75 CD
ACALA 1517-E2	0.75 CD
ACALA 1517-77	0.73 D
ACALA 1517 SR1	0.66 DE
ACALA SJ C-1	0.57 E

SEED GRADE	
PAYMASTER 145	5.2 A
ACALA 1517-E2	5.2 A
MCNAIR 235	5.0 A
DELTAPINE 90	5.0 A
ACALA 1517 SR1	5.0 A
ACALA 1517-75	4.9 A
ACALA 1517-77	4.2 B
ACALA SJ C-1	4.2 B
STONEVILLE 213	3.8 B

SEE REPORTING VARIATIONS: PAGE 4



1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
LAS CR,NM	1357 A	6.05	39.2	11.7	153	1.19	.59	212	6.7	4.18
PECOS,TX(SUBS)	1159 B	5.59	36.5	12.7	148	1.09	.51	215	5.8	4.53
ARTESIA,NM	1156 B	6.61	38.4	11.4	154	1.16	.57	218	7.0	4.04
EL PASO,TX	1136 B	5.49	39.0	.0	153	1.11	.53	201	6.3	4.17

1984 WESTERN REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
LAS CR,NM	1.22	84.1	28.6	76.7	9.2	22.01	3.64	.82	4.7
PECOS,TX(SUBS)	1.12	81.7	29.8	72.9	8.3	21.72	3.67	.74	4.5
ARTESIA,NM	1.21	85.4	28.1	76.9	9.2	22.48	3.48	.84	5.1
EL PASO,TX	1.13	83.1	26.8	75.6	7.3	22.03	3.62	.74	4.7

SEE REPORTING VARIATIONS: PAGE 4

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

LAS CR, NM

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		HIL
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCHAIR 235	1579 A	6.05	40.5	10.6	138	1.17	.56	191	6.2	
DELTAPINE 90	1487 AB	5.38	41.0	11.2	150	1.19	.55	202	7.3	
STONEVILLE 213	1418 BC	5.91	39.5	10.8	128	1.17	.57	188	7.4	
ACALA 1517-77	1332 CD	6.48	36.8	12.6	168	1.22	.59	229	6.3	
ACALA 1517-E2	1314 D	6.25	39.8	12.8	163	1.20	.60	225	6.5	
ACALA 1517 SR1	1308 D	6.13	38.1	12.9	165	1.21	.60	216	6.4	
ACALA 1517-75	1300 D	5.96	37.7	12.2	169	1.23	.63	231	6.5	
ACALA SJ C-1	1239 D	6.55	40.2	11.8	167	1.19	.61	226	7.0	
PAYMASTER 145	1233 D	5.76	39.4	10.4	132	1.14	.54	204	6.5	

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

LAS CR, NM

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data				Se Gr
	UHM	UNIFORMITY	TENACITY	Rd	HUNTER'S	OIL	NITROGEN	FREE		
	(inches)	(PERCENT)	(g/tex)		b value	(percent)	(percent)	GOSSYPOL (percent)		
MCHAIR 235	1.18	84.0	26.0	76.5	9.2	22.08	3.56	.84	5	
DELTAPINE 90	1.24	83.5	31.0	77.0	9.0	21.80	3.65	.85	5	
STONEVILLE 213	1.19	83.0	25.0	77.8	9.2	19.83	3.67	1.04	4	
ACALA 1517-77	1.27	84.5	31.0	76.5	9.4	22.41	3.56	.72	4	
ACALA 1517-E2	1.25	85.5	32.0	77.0	9.3	22.18	3.67	.85	5	
ACALA 1517 SR1	1.28	84.5	30.5	76.0	9.5	21.81	3.66	.75	5	
ACALA 1517-75	1.26	85.0	27.5	76.8	9.5	22.70	3.67	.93	5	
ACALA SJ C-1	1.22	85.0	29.0	77.8	9.1	21.84	3.73	.58	4	
PAYMASTER 145	1.05	81.5	25.0	75.3	8.7	23.43	3.58	.83	5	

SEE REPORTING VARIATIONS: PAGE 4



1984 WESTERN REGIONAL COTTON VARIETY TEST

PECOS, TX(SUBS)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Reading)
DELTAPINE 90	1383 A	5.20	38.1	11.0	143	1.08	.48	219	5.7	4.80
STONEVILLE 213	1364 A	5.19	36.2	11.9	120	1.05	.47	179	6.5	4.65
MCNAIR 235	1354 A	5.46	37.9	11.4	125	1.03	.46	179	5.7	4.75
ACALA 1517-75	1152 B	5.80	36.5	13.4	164	1.15	.54	241	5.9	4.10
ACALA SJ C-1	1095 BC	6.25	37.3	13.2	166	1.13	.54	240	5.8	4.40
ACALA 1517-77	1088 BC	5.84	33.5	14.3	166	1.15	.54	238	5.8	4.45
ACALA 1517-E2	1038 CD	5.43	36.4	13.4	158	1.14	.54	233	5.6	4.30
ACALA 1517 SR1	999 CD	5.67	35.1	13.9	164	1.14	.52	234	5.3	4.30
PAYMASTER 145	955 D	5.47	37.4	11.7	123	.99	.47	179	5.8	5.05

1984 WESTERN REGIONAL COTTON VARIETY TEST

PECOS, TX(SUBS)

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
DELTAPINE 90	1.11	79.5	32.0	74.8	8.4	21.67	3.50	.88	5.0
STONEVILLE 213	1.08	79.5	25.5	73.8	8.5	20.63	3.45	.97	3.0
MCNAIR 235	1.07	80.5	25.0	74.3	8.7	21.45	3.70	.80	5.0
ACALA 1517-75	1.18	83.0	31.5	72.0	7.7	22.03	3.69	.70	4.5
ACALA SJ C-1	1.13	83.0	32.5	73.5	8.3	22.34	3.85	.48	4.0
ACALA 1517-77	1.19	83.0	33.0	72.3	8.1	22.06	3.60	.68	4.0
ACALA 1517-E2	1.16	83.0	31.5	72.5	8.4	21.77	3.81	.68	5.0
ACALA 1517 SR1	1.18	83.0	31.5	70.8	8.6	20.64	3.73	.65	5.0
PAYMASTER 145	1.02	81.0	25.5	73.3	8.1	22.90	3.68	.81	5.0

SEE REPORTING VARIATIONS: PAGE 4

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

EL PASO, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 90	1298 A	5.95	41.7	.0	147	1.09	.52	198	6.5	
STONEVILLE 213	1268 AB	4.81	40.1	.0	130	1.07	.51	166	6.9	
MCNAIR 235	1256 AB	5.13	40.0	.0	135	1.10	.53	188	6.2	
ACALA 1517-75	1145 ABC	5.21	39.8	.0	169	1.13	.54	216	6.2	
ACALA 1517-77	1110 BC	5.70	37.2	.0	167	1.15	.56	222	5.8	
ACALA SJ C-1	1108 BC	5.92	38.9	.0	166	1.08	.54	220	6.3	
ACALA 1517-E2	1088 CD	5.60	37.6	.0	164	1.15	.54	214	6.8	
PAYMASTER 145	1014 CD	5.57	38.8	.0	131	1.02	.50	174	5.8	
ACALA 1517 SR1	940 D	5.51	37.1	.0	171	1.16	.56	214	5.9	

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

EL PASO, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Ser Gr.
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
DELTAPINE 90	1.10	82.5	27.0	78.3	7.0	21.87	3.48	.90	
STONEVILLE 213	1.08	82.0	23.0	75.5	8.1	19.57	3.43	.93	
MCNAIR 235	1.10	82.5	24.5	73.3	7.0	22.04	3.60	.95	
ACALA 1517-75	1.16	84.0	28.5	74.5	6.8	22.08	3.56	.67	
ACALA 1517-77	1.18	83.5	29.5	76.0	7.3	23.47	3.58	.76	
ACALA SJ C-1	1.13	84.5	29.0	77.5	7.4	22.12	3.85	.52	
ACALA 1517-E2	1.17	83.0	28.0	75.0	6.9	22.16	3.65	.70	
PAYMASTER 145	1.02	82.0	22.5	71.8	7.5	23.04	3.77	.79	
ACALA 1517 SR1	1.19	83.5	29.0	78.3	7.7	21.91	3.65	.52	

SEE REPORTING VARIATIONS: PAGE 4



## 1984 WESTERN REGIONAL COTTON VARIETY TEST

ARTESIA, NM

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELONETER		MICRONAIRE
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Reading)
MCHAIR 235	1258 A	6.96	39.8	10.4	148	1.11	.54	200	6.8	3.95
PAYMASTER 145	1233 AB	6.71	39.5	11.1	139	1.13	.55	205	6.8	4.10
DELTAPINE 90	1206 AB	5.91	39.7	10.1	152	1.14	.54	228	7.2	4.30
ACALA 1517-E2	1201 AB	6.94	38.6	12.2	156	1.18	.57	216	6.2	4.05
ACALA 1517-77	1145 ABC	6.26	35.6	11.9	170	1.20	.60	235	6.6	4.15
ACALA 1517 SR1	1132 ABC	6.91	38.3	11.8	162	1.19	.58	219	7.5	3.85
ACALA 1517-75	1100 BC	6.43	37.9	12.1	163	1.21	.57	235	7.4	3.80
ACALA SJ C-1	1092 BC	7.29	38.4	11.4	166	1.19	.61	231	6.5	3.90
STONEVILLE 213	1033 C	6.13	37.9	11.3	131	1.15	.55	192	7.9	4.25

## 1984 WESTERN REGIONAL COTTON VARIETY TEST

ARTESIA, NM

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MCHAIR 235	1.19	86.0	25.0	79.0	9.3	21.50	3.39	.94	5.0
PAYMASTER 145	1.18	84.0	26.0	76.3	8.6	23.21	3.52	.95	6.0
DELTAPINE 90	1.20	85.0	30.0	76.3	9.0	23.21	3.48	.95	5.0
ACALA 1517-E2	1.21	85.0	27.5	76.8	9.3	22.69	3.58	.76	6.0
ACALA 1517-77	1.25	86.5	30.0	77.0	9.4	22.89	3.41	.76	5.0
ACALA 1517 SR1	1.23	85.0	28.0	76.5	9.3	23.03	3.66	.72	5.0
ACALA 1517-75	1.26	86.5	32.0	76.0	9.5	23.27	3.33	.70	5.0
ACALA SJ C-1	1.22	87.0	28.5	77.0	9.1	23.16	3.44	.71	5.0
STONEVILLE 213	1.18	84.0	26.0	77.3	9.6	19.37	3.54	1.10	4.0

SEE REPORTING VARIATIONS: PAGE 4

1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Re)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
DELTAPINE 41	2514 A	4.79	41.2	8.9	139	1.10	.47	186	5.9	4
STONEVILLE 453	2298 B	5.31	37.6	10.8	128	1.15	.51	187	7.2	5
STONEVILLE 353	2218 BC	4.88	38.4	10.1	134	1.13	.49	189	6.2	4
STONEVILLE 506	2208 BCD	5.10	35.7	11.1	129	1.12	.49	187	7.2	4
DELTAPINE 55	2193 BCD	4.98	38.5	9.3	129	1.10	.47	187	6.1	4
STONEVILLE 825	2152 BCDE	5.08	36.5	10.6	127	1.11	.49	183	5.8	4
STONEVILLE 8174	2113 CDEF	5.29	36.6	10.0	130	1.08	.47	177	5.2	5
DELTAPINE 61	2101 CDEF	5.66	37.5	10.2	134	1.15	.50	192	6.9	4
MCHAIR 220	2076 CDEFG	5.38	36.0	10.6	140	1.11	.49	185	5.3	4
STONEVILLE 8252	2075 CDEFG	5.05	36.6	10.6	126	1.10	.49	184	6.0	5
MCHAIR 235	2064 CDEFG	5.58	36.8	10.5	135	1.14	.52	174	5.5	4
STONEVILLE 213	2042 DEFG	5.35	37.5	10.0	137	1.09	.49	189	5.8	4
DELTAPINE 70	2020 EFG	5.08	39.3	9.2	136	1.11	.49	184	6.3	4
AZ 7209-107	1973 FGH	6.53	36.5	12.7	139	1.10	.51	198	6.7	4
KNX 8136	1962 Fghi	5.45	34.8	11.2	133	1.15	.52	184	6.6	4
DELTAPINE 62	1950 Fghi	5.67	36.2	10.8	137	1.18	.51	194	6.7	4
COKER 315	1920 ghi	5.70	36.9	10.8	135	1.15	.52	192	6.0	4
KNX 2019	1915 ghi	5.48	36.8	10.3	132	1.15	.51	196	5.5	5
COKER 3131	1819 HI	5.75	37.3	11.6	129	1.10	.51	174	6.6	4
DELTAPINE 90	1802 I	5.02	37.9	9.2	149	1.10	.49	202	6.6	4
ACALA SJ C-1	1618 J	6.21	36.4	12.2	164	1.14	.54	209	5.8	4
PAYMASTER 145	1543 J	5.38	35.5	12.1	131	1.04	.49	179	5.4	5



1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value		NITROGEN (percent)	FREE GOSSYPOL (percent)	
STONEVILLE 453	1.19	82.5	26.5	73.8	7.9	21.45	3.60	1.25	4.0
STONEVILLE 353	1.23	81.5	28.5	75.8	8.3	21.12	3.73	1.22	4.0
STONEVILLE 506	1.22	80.5	25.5	75.8	7.5	21.77	3.50	1.08	4.5
DELTAPINE 55	1.19	80.0	26.5	76.0	8.0	20.94	3.69	1.13	4.0
STONEVILLE 825	1.19	82.5	24.0	78.5	8.1	21.08	3.62	.90	4.0
STONEVILLE 8174	1.15	80.5	26.5	78.0	7.2	20.70	3.66	1.20	3.5
DELTAPINE 61	1.25	81.5	28.0	79.5	7.9	21.10	3.56	1.11	3.5
MCHAIR 228	1.17	82.0	26.0	75.0	8.6	22.04	3.56	1.21	4.5
STONEVILLE 8252	1.14	81.5	25.0	74.5	8.3	20.89	3.61	1.26	3.0
MCHAIR 235	1.19	80.0	25.5	77.0	8.1	22.99	3.52	.79	4.0
STONEVILLE 213	1.15	81.0	25.5	77.3	8.2	20.38	3.54	1.10	3.0
DELTAPINE 70	1.14	80.5	26.5	73.5	7.5	20.04	3.78	1.03	4.0
AZ 7209-107	1.15	82.0	29.0	76.0	9.2	22.07	3.96	.96	4.0
KNX 8136	1.21	83.0	26.0	77.8	8.7	22.11	3.72	.91	3.0
DELTAPINE 62	1.23	80.5	28.0	80.5	7.8	20.84	3.62	.98	3.0
COKER 315	1.22	81.0	27.0	77.0	8.2	21.54	3.71	1.16	3.5
KNX 2019	1.21	81.0	27.0	75.5	8.1	23.21	3.63	1.01	3.5
COKER 3131	1.15	81.5	26.5	75.8	8.8	23.17	3.77	1.24	4.0
DELTAPINE 90	1.17	82.0	27.5	75.5	8.7	22.54	3.73	1.07	5.0
DELTAPINE 41	1.16	81.0	26.5	78.8	8.1	19.32	3.64	1.33	4.0
ACALA SJ C-1	1.20	83.0	31.0	77.5	8.7	23.01	3.83	1.26	3.0
PAYMASTER 145	1.09	82.0	26.0	75.8	8.1	23.39	3.87	1.11	4.0

1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

AZ 7209-107	0.65	A
ACALA SJ C-1	0.62	A
COKER 3131	0.58	B
DELTAPINE 61	0.57	BCD
COKER 315	0.57	BC
DELTAPINE 62	0.57	BCD
MCNAIR 235	0.56	BCD
KNX 2019	0.55	BCDE
KNX 8136	0.55	BCDEF
STONEVILLE 213	0.54	CDEFGH
MCNAIR 220	0.54	BCDEFG
PAYMASTER 145	0.54	BCDEFG
STONEVILLE 453	0.53	DEFGH
STONEVILLE 8174	0.53	DEFGH
STONEVILLE 825	0.51	FGHI
STONEVILLE 506	0.51	EFGHI
DELTAPINE 70	0.51	FGHI
STONEVILLE 8252	0.51	GHI
DELTAPINE 55	0.50	HI
DELTAPINE 90	0.50	GHI
STONEVILLE 353	0.49	I
DELTAPINE 41	0.48	I

LINT PCT

DELTAPINE 41	41.2	A
DELTAPINE 70	39.3	B
DELTAPINE 55	38.5	BC
STONEVILLE 353	38.4	BC
DELTAPINE 90	37.9	CD
STONEVILLE 453	37.6	CDE
STONEVILLE 213	37.5	CDEF
DELTAPINE 61	37.5	CDEF
COKER 3131	37.3	DEFG
COKER 315	36.9	DEFGH
MCNAIR 235	36.8	EFGH
KNX 2019	36.8	EFGH
STONEVILLE 8252	36.6	EFGHI
STONEVILLE 8174	36.6	EFGHI
STONEVILLE 825	36.5	FGHIJ
AZ 7209-107	36.5	FGHIJ
ACALA SJ C-1	36.4	GHIJ
DELTAPINE 62	36.2	HIJ
MCNAIR 220	36.0	HIJ
STONEVILLE 506	35.7	IJ
PAYMASTER 145	35.5	J
KNX 8136	34.8	

SEED INDEX

AZ 7209-107	12.7	A
ACALA SJ C-1	12.2	AB
PAYMASTER 145	12.1	AB
COKER 3131	11.6	BC
KNX 8136	11.2	CD
STONEVILLE 506	11.1	CDE
COKER 315	10.8	DEF
DELTAPINE 62	10.8	DEF
STONEVILLE 453	10.8	DEF
MCNAIR 220	10.6	DEFG
STONEVILLE 825	10.6	DEFG
STONEVILLE 8252	10.6	DEFG
MCNAIR 235	10.5	EFG
KNX 2019	10.3	FG
DELTAPINE 61	10.2	FG
STONEVILLE 353	10.1	G
STONEVILLE 213	10.0	G
STONEVILLE 8174	10.0	G
DELTAPINE 55	9.3	H
DELTAPINE 90	9.2	H
DELTAPINE 70	9.2	H
DELTAPINE 41	8.9	H

YARN TENACITY

ACALA SJ C-1	164	A
DELTAPINE 90	149	B
MCNAIR 220	140	BC
DELTAPINE 41	139	BCD
AZ 7209-107	139	BCD
STONEVILLE 213	137	CDE
DELTAPINE 62	137	CDE
DELTAPINE 70	136	CDE
COKER 315	135	CDE
MCNAIR 235	135	CDE
DELTAPINE 61	134	CDE
STONEVILLE 353	134	CDE
KNX 8136	133	CDE
KNX 2019	132	CDE
PAYMASTER 145	131	CDE
STONEVILLE 8174	130	CDE
DELTAPINE 55	129	CDE
STONEVILLE 506	129	CDE
COKER 3131	129	CDE
STONEVILLE 453	128	CDE
STONEVILLE 825	127	DE
STONEVILLE 8252	126	E

FIBROGRAPH--2.5% S.L.

DELTAPINE 62	1.17	A
COKER 315	1.15	AB
DELTAPINE 61	1.14	ABC
KNX 2019	1.14	ABC
STONEVILLE 453	1.14	ABC
KNX 8136	1.14	ABC
MCNAIR 235	1.13	BCD
ACALA SJ C-1	1.13	BCD
STONEVILLE 353	1.13	BCD
STONEVILLE 506	1.12	BCDE
MCNAIR 220	1.11	CDEF
STONEVILLE 825	1.11	CDEF
DELTAPINE 70	1.11	CDEF
DELTAPINE 55	1.10	DEF
DELTAPINE 41	1.10	DEF
COKER 3131	1.10	DEF
DELTAPINE 90	1.10	DEF
AZ 7209-107	1.10	DEF
STONEVILLE 8252	1.10	DEF
STONEVILLE 213	1.09	EF
STONEVILLE 8174	1.08	F
PAYMASTER 145	1.04	G

FIBROGRAPH--50% S.L.

ACALA SJ C-1	0.53	A
COKER 315	0.52	AB
MCNAIR 235	0.51	AB
KNX 2019	0.51	AB
KNX 8136	0.51	AB
DELTAPINE 61	0.50	ABC
DELTAPINE 62	0.50	ABC
COKER 3131	0.50	ABC
AZ 7209-107	0.50	ABC
STONEVILLE 453	0.50	ABC
STONEVILLE 213	0.49	BCD
MCNAIR 220	0.49	BCD
STONEVILLE 825	0.49	BCD
STONEVILLE 506	0.49	BCD
PAYMASTER 145	0.49	BCD
DELTAPINE 90	0.49	BCD
DELTAPINE 70	0.49	BCD
STONEVILLE 353	0.49	BCD
STONEVILLE 8252	0.49	BCD
DELTAPINE 41	0.47	CD
DELTAPINE 55	0.46	D
STONEVILLE 8174	0.46	D



1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

STELOMETER - T1

ACALA SJ C-1	209	A
DELTAPINE 90	202	AB
AZ 7209-107	198	ABC
KNX 2019	196	BCD
DELTAPINE 62	194	BCDE
DELTAPINE 61	192	BCDE
COKER 315	192	BCDE
STONEVILLE 213	189	CDEF
STONEVILLE 353	189	CDEF
DELTAPINE 55	187	CDEF
STONEVILLE 506	187	CDEF
STONEVILLE 453	187	CDEF
DELTAPINE 41	186	CDEFG
MCNAIR 220	185	DEFG
DELTAPINE 70	184	DEFG
STONEVILLE 8252	184	DEFG
KNX 8136	184	DEFG
STONEVILLE 825	183	EFG
PAYMASTER 145	179	FG
STONEVILLE 8174	177	FG
MCNAIR 235	174	G
COKER 3131	174	G

STELOMETER - E1

STONEVILLE 506	7.2	A
STONEVILLE 453	7.1	AB
DELTAPINE 61	6.9	ABC
DELTAPINE 62	6.7	BCD
AZ 7209-107	6.7	BCD
COKER 3131	6.6	CD
DELTAPINE 90	6.6	CD
KNX 8136	6.5	CDE
DELTAPINE 70	6.3	DEF
DELTAPINE 55	6.1	EFG
STONEVILLE 353	6.1	EFG
COKER 315	6.0	FG
STONEVILLE 8252	6.0	FG
DELTAPINE 41	5.9	FGH
STONEVILLE 213	5.8	GHI
STONEVILLE 825	5.8	GHI
ACALA SJ C-1	5.8	GHI
MCNAIR 235	5.5	HIJ
PAYMASTER 145	5.4	IJ
KNX 2019	5.4	IJ
MCNAIR 220	5.3	J
STONEVILLE 8174	5.2	J

MICRONAIRE

STONEVILLE 8252	5.15	A
PAYMASTER 145	5.10	A
STONEVILLE 453	5.05	AB
STONEVILLE 8174	5.05	AB
KNX 2019	5.00	ABC
DELTAPINE 70	4.95	ABCD
STONEVILLE 213	4.90	ABCDE
STONEVILLE 825	4.90	ABCDE
DELTAPINE 90	4.90	ABCDE
KNX 8136	4.90	ABCDE
STONEVILLE 506	4.85	ABCDEF
STONEVILLE 353	4.85	ABCDEF
MCNAIR 220	4.75	BCDEFG
DELTAPINE 61	4.75	BCDEFG
DELTAPINE 41	4.70	CDEFGH
MCNAIR 235	4.65	DEFGH
ACALA SJ C-1	4.60	EFGH
COKER 315	4.55	FGH
DELTAPINE 55	4.50	GH
DELTAPINE 62	4.50	GH
COKER 3131	4.50	GH
AZ 7209-107	4.40	H

UHM (INCHES)

DELTAPINE 61	1.25	A
DELTAPINE 62	1.23	AB
STONEVILLE 353	1.23	AB
COKER 315	1.22	ABC
STONEVILLE 506	1.22	ABC
KNX 2019	1.21	ABCD
KNX 8136	1.21	ABCD
ACALA SJ C-1	1.20	BCDE
DELTAPINE 55	1.19	BCDEF
STONEVILLE 825	1.19	BCDEF
STONEVILLE 453	1.19	BCDEF
MCNAIR 235	1.18	CDEFG
MCNAIR 220	1.17	DEFGH
DELTAPINE 90	1.16	EFGH
STONEVILLE 213	1.15	FGH
DELTAPINE 41	1.15	FGH
COKER 3131	1.15	FGH
STONEVILLE 8174	1.15	FGH
AZ 7209-107	1.14	GH
STONEVILLE 8252	1.14	GH
DELTAPINE 70	1.13	H
PAYMASTER 145	1.09	I

UNIFORMITY (PERCENT)

ACALA SJ C-1	83.0	A
KNX 8136	83.0	A
STONEVILLE 825	82.5	AB
STONEVILLE 453	82.5	AB
MCNAIR 220	82.0	ABC
PAYMASTER 145	82.0	ABC
DELTAPINE 90	82.0	ABC
AZ 7209-107	82.0	ABC
DELTAPINE 61	81.5	ABCD
COKER 3131	81.5	ABCD
STONEVILLE 353	81.5	ABCD
STONEVILLE 8252	81.5	ABCD
STONEVILLE 213	81.0	BCD
COKER 315	81.0	BCD
DELTAPINE 41	81.0	BCD
KNX 2019	81.0	BCD
STONEVILLE 506	80.5	CD
DELTAPINE 62	80.5	CD
DELTAPINE 70	80.5	CD
STONEVILLE 8174	80.5	CD
DELTAPINE 55	80.0	D
MCNAIR 235	80.0	D

TENACITY (G/TEX)

ACALA SJ C-1	31.0	A
AZ 7209-107	29.0	AB
STONEVILLE 353	28.5	ABC
DELTAPINE 61	28.0	BCD
DELTAPINE 62	28.0	BCD
DELTAPINE 90	27.5	BCDE
COKER 315	27.0	BCDE
KNX 2019	27.0	BCDE
DELTAPINE 55	26.5	BCDEF
DELTAPINE 41	26.5	BCDEF
COKER 3131	26.5	BCDEF
DELTAPINE 70	26.5	BCDEF
STONEVILLE 453	26.5	BCDEF
STONEVILLE 8174	26.5	BCDEF
MCNAIR 220	26.0	CDEF
PAYMASTER 145	26.0	CDEF
KNX 8136	26.0	CDEF
STONEVILLE 213	25.5	DEF
MCNAIR 235	25.5	DEF
STONEVILLE 506	25.5	DEF
STONEVILLE 8252	25.0	EF
STONEVILLE 825	24.0	F



1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

COLORIMETER -RD

DELTAPINE 62	80.5 A
DELTAPINE 61	79.5 AB
DELTAPINE 41	78.7 ABC
STONEVILLE 825	78.5 ABC
STONEVILLE 8174	78.8 ABCD
KNX 8136	77.7 ABCDE
ACALA SJ C-1	77.5 ABCDE
STONEVILLE 213	77.2 ABCDE
COKER 315	77.8 ABCDE
MCNAIR 235	77.0 ABCDE
DELTAPINE 55	76.0 BCDE
AZ 7209-107	76.0 BCDE
STONEVILLE 506	75.7 BCDE
PAYMASTER 145	75.7 BCDE
COKER 3131	75.7 BCDE
STONEVILLE 353	75.7 BCDE
DELTAPINE 90	75.5 BCDE
KNX 2019	75.5 BCDE
MCNAIR 220	75.0 CDE
STONEVILLE 8252	74.5 CDE
STONEVILLE 453	73.7 DE
DELTAPINE 70	73.5 E

COLORIMETER - B

AZ 7209-107	9.2 A
COKER 3131	8.8 AB
DELTAPINE 90	8.7 AB
ACALA SJ C-1	8.7 AB
KNX 8136	8.7 AB
MCNAIR 220	8.6 AB
STONEVILLE 353	8.3 ABC
STONEVILLE 8252	8.3 ABC
STONEVILLE 213	8.2 ABCD
COKER 315	8.2 ABCD
MCNAIR 235	8.1 BCD
STONEVILLE 825	8.1 BCD
DELTAPINE 41	8.1 BCD
PAYMASTER 145	8.1 BCD
KNX 2019	8.1 BCD
DELTAPINE 55	8.0 BCD
DELTAPINE 61	7.9 BCD
STONEVILLE 453	7.9 BCD
DELTAPINE 62	7.8 BCD
STONEVILLE 506	7.5 CD
DELTAPINE 70	7.5 CD
STONEVILLE 8174	7.2 D

OIL (PERCENT)

PAYMASTER 145	23.39 A
KNX 2019	23.21 AB
COKER 3131	23.17 AB
ACALA SJ C-1	23.01 AB
MCNAIR 235	22.99 AB
DELTAPINE 90	22.53 BC
KNX 8136	22.10 CD
AZ 7209-107	22.06 CD
MCNAIR 220	22.04 CD
STONEVILLE 506	21.76 DE
COKER 315	21.53 DEF
STONEVILLE 453	21.45 DEFG
STONEVILLE 353	21.12 EFGH
DELTAPINE 61	21.10 EFGH
STONEVILLE 825	21.08 EFGH
DELTAPINE 55	20.93 FGH
STONEVILLE 8252	20.88 FGH
DELTAPINE 62	20.84 FGH
STONEVILLE 8174	20.69 GHI
STONEVILLE 213	20.37 HI
DELTAPINE 70	20.03 I
DELTAPINE 41	19.32 J

NITROGEN (PERCENT)

AZ 7209-107	3.96 A
PAYMASTER 145	3.87 AB
ACALA SJ C-1	3.83 ABC
DELTAPINE 70	3.78 ABCD
COKER 3131	3.76 ABCDE
DELTAPINE 90	3.73 BCDEF
STONEVILLE 353	3.73 BCDEF
KNX 8136	3.72 BCDEF
COKER 315	3.71 BCDEF
DELTAPINE 55	3.68 BCDEF
STONEVILLE 8174	3.66 BCDEF
DELTAPINE 41	3.64 BCDEF
DELTAPINE 62	3.62 CDEF
KNX 2019	3.62 CDEF
STONEVILLE 825	3.61 CDEF
STONEVILLE 8252	3.61 CDEF
STONEVILLE 453	3.60 CDEF
MCNAIR 220	3.56 DEF
DELTAPINE 61	3.55 DEF
STONEVILLE 213	3.53 EF
MCNAIR 235	3.52 F
STONEVILLE 506	3.50 F

FREE GOSSYPOL (PERCENT)

DELTAPINE 41	1.33 A
ACALA SJ C-1	1.26 AB
STONEVILLE 8252	1.26 AB
STONEVILLE 453	1.25 AB
COKER 3131	1.24 AB
STONEVILLE 353	1.22 ABC
MCNAIR 220	1.21 ABCD
STONEVILLE 8174	1.19 ABCD
COKER 315	1.15 ABCDE
DELTAPINE 55	1.12 ABCDE
DELTAPINE 61	1.11 ABCDE
PAYMASTER 145	1.11 ABCDE
STONEVILLE 213	1.10 ABCDE
STONEVILLE 506	1.08 ABCDE
DELTAPINE 90	1.07 ABCDE
DELTAPINE 70	1.03 BCDEF
KNX 2019	1.01 BCDEF
DELTAPINE 62	0.98 CDEF
AZ 7209-107	0.96 DEF
STONEVILLE 825	0.90 EF
KNX 8136	0.90 EF
MCNAIR 235	0.78 F

SEED GRADE

DELTAPINE 90	5.0 A
MCNAIR 220	4.5 AB
STONEVILLE 506	4.5 AB
DELTAPINE 55	4.0 BC
MCNAIR 235	4.0 BC
STONEVILLE 825	4.0 BC
DELTAPINE 41	4.0 BC
PAYMASTER 145	4.0 BC
COKER 3131	4.0 BC
AZ 7209-107	4.0 BC
DELTAPINE 70	4.0 BC
STONEVILLE 353	4.0 BC
STONEVILLE 453	4.0 BC
DELTAPINE 61	3.5 CD
COKER 315	3.5 CD
KNX 2019	3.5 CD
STONEVILLE 8174	3.5 CD
STONEVILLE 213	3.0 D
DELTAPINE 62	3.0 D
ACALA SJ C-1	3.0 D
STONEVILLE 8252	3.0 D
KNX 8136	3.0 D



1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MARICOPA,AZ	2026	5.40	37.1	10.6	135	1.12	.50	188	6.2	4.80

1984 ARIZONA COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MARICOPA,AZ	1.18	81.4	26.8	76.6	8.2	21.62	3.67	1.11	3.8





## 1984 ARIZONA COTTON VARIETY TEST

MARICOPA, AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Reading)
DELTAPINE 41	2514 A	4.79	41.2	8.9	139	1.10	.47	186	5.9	4.70
STONEVILLE 453	2298 B	5.31	37.6	10.8	128	1.15	.51	187	7.2	5.05
STONEVILLE 353	2218 BC	4.88	38.4	10.1	134	1.13	.49	189	6.2	4.85
STONEVILLE 506	2208 BCD	5.10	35.7	11.1	129	1.12	.49	187	7.2	4.85
DELTAPINE 55	2193 BCD	4.98	38.5	9.3	129	1.10	.47	187	6.1	4.50
STONEVILLE 825	2152 BCDE	5.08	36.5	10.6	127	1.11	.49	183	5.8	4.90
STONEVILLE 8174	2113 CDEF	5.29	36.6	10.0	130	1.08	.47	177	5.2	5.05
DELTAPINE 61	2101 CDEF	5.66	37.5	10.2	134	1.15	.50	192	6.9	4.75
MCNAIR 220	2076 CDEFG	5.38	36.0	10.6	140	1.11	.49	185	5.3	4.75
STONEVILLE 8252	2075 CDEFG	5.05	36.6	10.6	126	1.10	.49	184	6.0	5.15
MCNAIR 235	2064 CDEFG	5.58	36.8	10.5	135	1.14	.52	174	5.5	4.65
STONEVILLE 213	2042 DEFG	5.35	37.5	10.0	137	1.09	.49	189	5.8	4.90
DELTAPINE 70	2020 EFG	5.08	39.3	9.2	136	1.11	.49	184	6.3	4.95
AZ 7209-107	1973 FGH	6.53	36.5	12.7	139	1.10	.51	198	6.7	4.40
KNX 8136	1962 FGHI	5.45	34.8	11.2	133	1.15	.52	184	6.6	4.90
DELTAPINE 62	1950 FGHI	5.67	36.2	10.8	137	1.18	.51	194	6.7	4.50
COKER 315	1920 GHI	5.70	36.9	10.8	135	1.15	.52	192	6.0	4.55
KNX 2019	1915 GHI	5.48	36.8	10.3	132	1.15	.51	196	5.5	5.00
COKER 3131	1819 HI	5.75	37.3	11.6	129	1.10	.51	174	6.6	4.50
DELTAPINE 90	1802 I	5.02	37.9	9.2	149	1.10	.49	202	6.6	4.90
ACALA SJ C-1	1618 J	6.21	36.4	12.2	164	1.14	.54	209	5.8	4.60
PAYMASTER 145	1543 J	5.38	35.5	12.1	131	1.04	.49	179	5.4	5.10





## 1984 ARIZONA COTTON VARIETY TEST

MARICOPA, AZ

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value		NITROGEN (percent)	FREE GOSSYPOL (percent)	
STONEVILLE 453	1.19	82.5	26.5	73.8	7.9	21.45	3.60	1.25	4.0
STONEVILLE 353	1.23	81.5	28.5	75.8	8.3	21.12	3.73	1.22	4.0
STONEVILLE 506	1.22	80.5	25.5	75.8	7.5	21.77	3.50	1.08	4.5
DELTAPINE 55	1.19	80.0	26.5	76.0	8.0	20.94	3.69	1.13	4.0
STONEVILLE 825	1.19	82.5	24.0	78.5	8.1	21.08	3.62	.90	4.0
STONEVILLE 8174	1.15	80.5	26.5	78.0	7.2	20.70	3.66	1.20	3.5
DELTAPINE 61	1.25	81.5	28.0	79.5	7.9	21.10	3.56	1.11	3.5
MCNAIR 220	1.17	82.0	26.0	75.0	8.6	22.04	3.56	1.21	4.5
STONEVILLE 8252	1.14	81.5	25.0	74.5	8.3	20.89	3.61	1.26	3.0
MCNAIR 235	1.19	80.0	25.5	77.0	8.1	22.99	3.52	.79	4.0
STONEVILLE 213	1.15	81.0	25.5	77.3	8.2	20.38	3.54	1.10	3.0
DELTAPINE 70	1.14	80.5	26.5	73.5	7.5	20.04	3.78	1.03	4.0
AZ 7209-107	1.15	82.0	29.0	76.0	9.2	22.07	3.96	.96	4.0
KNX 8136	1.21	83.0	26.0	77.8	8.7	22.11	3.72	.91	3.0
DELTAPINE 62	1.23	80.5	28.0	80.5	7.8	20.84	3.62	.98	3.0
COKER 315	1.22	81.0	27.0	77.0	8.2	21.54	3.71	1.16	3.5
KNX 2019	1.21	81.0	27.0	75.5	8.1	23.21	3.63	1.01	3.5
COKER 3131	1.15	81.5	26.5	75.8	8.8	23.17	3.77	1.24	4.0
DELTAPINE 90	1.17	82.0	27.5	75.5	8.7	22.54	3.73	1.07	5.0
DELTAPINE 41	1.16	81.0	26.5	78.8	8.1	19.32	3.64	1.33	4.0
ACALA SJ C-1	1.20	83.0	31.0	77.5	8.7	23.01	3.83	1.26	3.0
PAYMASTER 145	1.09	82.0	26.0	75.8	8.1	23.39	3.87	1.11	4.0

1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Re)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1126 A	5.05	38.5	9.1	139	1.11	.51	187	6.2	
ACALA SJ C-1	1076 AB	7.42	39.1	11.6	170	1.15	.54	232	6.1	
ACALA SJ-2	1057 ABC	7.04	36.5	12.5	150	1.14	.53	212	6.4	
STONEVILLE 213	916 BC	4.13	35.9	8.3	130	1.12	.51	178	6.7	
PAYMASTER 145	901 C	4.20	36.9	9.5	139	1.08	.50	188	6.5	

1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
MCNAIR 235	1.10	80.3	26.0	75.4	8.2	19.71	3.86	.72	
ACALA SJ C-1	1.18	82.5	31.3	77.1	8.4	21.30	3.96	.55	
ACALA SJ-2	1.17	81.8	27.3	76.0	8.4	17.72	3.77	.72	
STONEVILLE 213	1.12	79.8	24.8	76.8	8.8	17.41	3.69	.96	
PAYMASTER 145	1.09	80.8	26.5	75.8	8.3	19.70	3.79	.70	



1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

ACALA SJ C-1	7.42 A
ACALA SJ-2	7.84 A
MCNAIR 235	5.05 B
PAYMASTER 145	4.20 B
STONEVILLE 213	4.13 B

LINT PCT

ACALA SJ C-1	39.1 A
MCNAIR 235	38.5 A
PAYMASTER 145	36.9 A
ACALA SJ-2	36.5 A
STONEVILLE 213	35.9 A

SEED INDEX

ACALA SJ-2	12.5 A
ACALA SJ C-1	11.6 B
PAYMASTER 145	9.5 C
MCNAIR 235	9.1 CD
STONEVILLE 213	8.3 D

YARN TENACITY

ACALA SJ C-1	170 A
ACALA SJ-2	150 B
MCNAIR 235	139 BC
PAYMASTER 145	139 BC
STONEVILLE 213	130 C

FIBROGRAPH--2.5% S.L.

ACALA SJ C-1	1.15 A
ACALA SJ-2	1.13 AB
STONEVILLE 213	1.12 AB
MCNAIR 235	1.11 BC
PAYMASTER 145	1.08 C

FIBROGRAPH--50% S.L.

ACALA SJ C-1	0.54 A
ACALA SJ-2	0.52 AB
STONEVILLE 213	0.51 AB
MCNAIR 235	0.51 AB
PAYMASTER 145	0.50 B

STELOMETER - T1

ACALA SJ C-1	232 A
ACALA SJ-2	212 B
PAYMASTER 145	188 C
MCNAIR 235	187 C
STONEVILLE 213	178 C

STELOMETER - E1

STONEVILLE 213	6.6 A
PAYMASTER 145	6.5 A
ACALA SJ-2	6.4 A
MCNAIR 235	6.2 A
ACALA SJ C-1	6.1 A

MICRONAIRE

ACALA SJ C-1	3.75 A
ACALA SJ-2	3.72 A
MCNAIR 235	3.45 A
PAYMASTER 145	3.40 A
STONEVILLE 213	3.32 A

UHM (INCHES)

ACALA SJ-2	1.17 A
ACALA SJ C-1	1.17 A
STONEVILLE 213	1.12 AB
MCNAIR 235	1.10 B
PAYMASTER 145	1.09 B

UNIFORMITY (PERCENT)

ACALA SJ C-1	82.5 A
ACALA SJ-2	81.7 AB
PAYMASTER 145	80.7 AB
MCNAIR 235	80.2 B
STONEVILLE 213	79.7 B

TENACITY (G/TEX)

ACALA SJ C-1	31.3 A
ACALA SJ-2	27.2 B
PAYMASTER 145	26.5 BC
MCNAIR 235	26.0 BC
STONEVILLE 213	24.7 C

COLORIMETER -RD

ACALA SJ C-1	77.1 A
STONEVILLE 213	76.7 AB
ACALA SJ-2	76.0 AB
PAYMASTER 145	75.7 AB
MCNAIR 235	75.4 B

COLORIMETER - B

STONEVILLE 213	8.8 A
ACALA SJ-2	8.4 A
ACALA SJ C-1	8.4 A
MCNAIR 235	8.2 A
PAYMASTER 145	8.2 A

OIL (PERCENT)

ACALA SJ C-1	21.29 A
MCNAIR 235	19.71 A
PAYMASTER 145	19.70 A
ACALA SJ-2	17.72 B
STONEVILLE 213	17.41 B

1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST  
REGIONAL SUMMARY

NITROGEN (PERCENT)		FREE GOSSYPOL (PERCENT)		SEED GRADE	
ACALA SJ C-1	3.96 A	STONEVILLE 213	0.96 A	PAYMASTER 145	5.0 A
MCNAIR 235	3.86 AB	ACALA SJ-2	0.72 B	MCNAIR 235	4.7 A
PAYMASTER 145	3.79 AB	MCNAIR 235	0.72 B	STONEVILLE 213	4.0 AB
ACALA SJ-2	3.77 AB	PAYMASTER 145	0.69 BC	ACALA SJ C-1	3.5 B
STONEVILLE 213	3.68 B	ACALA SJ C-1	0.55 C	ACALA SJ-2	3.0 B



1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
SHAFTER, CA	1039 A	.00	.0	.0	141	1.13	.52	199	6.8	3.54
WT SIDE STA, CA	990 A	5.57	37.3	10.2	150	1.11	.52	200	5.9	3.52

1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
SHAFTER, CA	1.14	80.7	26.9	75.5	8.1	19.84	3.77	.79	4.0
WT SIDE STA, CA	1.12	81.3	27.4	77.0	8.8	18.49	3.96	.68	4.1

## 1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST

WT SIDE STA,CA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Re)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MCNAIR 235	1140 A	5.05	38.5	9.1	145	1.11	.52	185	5.7	3
ACALA SJ C-1	1052 B	7.42	39.1	11.6	178	1.14	.54	237	5.8	3
ACALA SJ-2	975 C	7.04	36.5	12.5	151	1.13	.52	212	5.8	3
PAYMASTER 145	919 CD	4.20	36.9	9.5	139	1.06	.49	192	6.0	3
STONEVILLE 213	866 D	4.13	35.9	8.3	135	1.12	.52	177	6.3	3

## 1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST

WT SIDE STA,CA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
MCNAIR 235	1.10	80.0	26.0	76.3	8.9	18.79	3.80	.73	
ACALA SJ C-1	1.17	83.0	32.0	77.8	8.5	20.69	4.02	.48	
ACALA SJ-2	1.18	82.5	28.0	76.8	8.7	17.46	3.85	.68	
PAYMASTER 145	1.05	81.5	26.5	77.0	8.8	19.37	3.89	.61	
STONEVILLE 213	1.11	79.5	24.5	77.0	9.1	16.16	3.75	.87	



1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST

SHAFTER, CA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
ACALA SJ-2	1138 A	.00	.0	.0	150	1.14	.54	212	7.0	3.85
MCNAIR 235	1112 A	.00	.0	.0	133	1.10	.51	189	6.8	3.40
ACALA SJ C-1	1099 A	.00	.0	.0	161	1.16	.54	228	6.3	3.85
STONEVILLE 213	966 B	.00	.0	.0	125	1.11	.50	180	7.0	3.45
PAYMASTER 145	882 B	.00	.0	.0	139	1.10	.51	185	7.0	3.15

1984 SAN JOAQUIN VALLEY COTTON VARIETY TEST

SHAFTER, CA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
ACALA SJ-2	1.16	81.0	26.5	75.3	8.2	17.99	3.69	.76	3.0
MCNAIR 235	1.10	80.5	26.0	74.5	7.6	20.64	3.92	.71	5.0
ACALA SJ C-1	1.19	82.0	30.5	76.5	8.4	21.91	3.91	.63	3.0
STONEVILLE 213	1.13	80.0	25.0	76.5	8.4	18.66	3.63	1.05	4.0
PAYMASTER 145	1.13	80.0	26.5	74.5	7.7	20.03	3.70	.78	5.0

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MIC (Re)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
KNX 2019	1196 A	6.87	39.3	10.4	137	1.15	.54	183	6.0	
MO 78-344	1194 A	6.11	40.3	10.6	146	1.17	.56	196	6.4	
MCNAIR 235	1163 AB	5.80	39.3	10.2	146	1.12	.53	194	6.0	
COKER 81-102	1151 AB	5.73	40.8	10.1	149	1.18	.57	198	5.8	
COKER 80-118	1140 AB	5.67	40.3	10.1	150	1.16	.56	196	5.7	
STONEVILLE 1324	1132 AB	5.28	40.3	9.9	144	1.14	.55	192	6.3	
Ga T 77-27	1123 AB	6.08	39.0	11.2	147	1.17	.55	196	6.2	
STONEVILLE 1318	1119 AB	5.35	40.1	9.5	136	1.14	.54	188	7.0	
STONEVILLE 213	1112 AB	5.64	38.8	10.5	127	1.11	.53	178	7.0	
DPL 90-100	1103 AB	5.51	39.6	9.7	144	1.14	.55	205	6.5	
PD 6132	1098 AB	5.04	40.7	10.5	167	1.17	.56	223	5.8	
LA 1155 ON	1067 BC	5.25	39.7	10.3	140	1.13	.54	192	6.9	
Ga T 79-13	1057 BC	6.27	39.0	11.3	144	1.17	.55	194	6.3	
LA 1083 ON	992 CD	5.62	39.3	10.7	150	1.12	.54	201	6.2	
KNX 99	937 D	6.72	37.4	12.6	148	1.15	.56	198	7.4	
ACALA SJ C-1	718 E	6.47	38.5	11.4	160	1.13	.57	220	6.1	

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Ser Gr.
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
KNX 2019	1.21	83.2	26.1	74.3	8.6	22.77	3.52	1.12	
MO 78-344	1.23	83.9	27.7	72.2	8.4	22.23	3.60	.82	
MCNAIR 235	1.17	83.6	26.0	73.0	8.3	22.32	3.46	.87	
COKER 81-102	1.24	83.9	26.6	72.4	8.6	22.29	3.63	.84	
COKER 80-118	1.20	84.1	26.5	72.4	8.5	21.96	3.55	.86	
STONEVILLE 1324	1.18	83.8	27.4	70.8	8.7	21.33	3.62	1.08	
Ga T 77-27	1.22	83.2	27.1	73.8	8.5	21.82	3.56	.85	
STONEVILLE 1318	1.17	83.7	27.5	70.0	9.1	20.31	3.52	1.17	
STONEVILLE 213	1.14	82.9	24.0	73.9	8.8	20.80	3.48	.99	
DPL 90-100	1.17	83.4	28.4	74.6	8.6	22.06	3.53	.92	
PD 6132	1.21	84.5	29.3	72.0	8.4	21.82	3.59	1.00	
LA 1155 ON	1.15	83.4	25.6	73.6	8.6	21.53	3.61	.94	
Ga T 79-13	1.23	83.4	26.6	73.1	8.4	21.95	3.53	.92	
LA 1083 ON	1.15	83.8	27.1	72.5	8.3	21.13	3.62	.90	
KNX 99	1.19	83.6	26.9	74.1	9.2	21.84	3.68	.90	
ACALA SJ C-1	1.16	84.6	28.9	73.1	8.4	22.74	3.61	.63	



1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL

KNX 99	6.72	A
ACALA SJ C-1	6.47	AB
Ga T 79-13	6.27	BC
MO 78-344	6.11	CD
Ga T 77-27	6.08	CDE
KNX 2019	6.07	CDE
MCNAIR 235	5.80	DEF
COKER 81-102	5.73	EF
COKER 80-118	5.67	FG
STONEVILLE 213	5.64	FGH
LA 1083 ON	5.62	FGH
DPL 90-100	5.51	FGHI
STONEVILLE 1318	5.35	GHIJ
STONEVILLE 1324	5.28	HIJ
LA 1155 ON	5.25	IJ
PD 6132	5.04	J

LINT PCT

COKER 81-102	40.8	A
PD 6132	40.7	A
MO 78-344	40.3	AB
COKER 80-118	40.3	AB
STONEVILLE 1324	40.3	AB
STONEVILLE 1318	40.1	ABC
LA 1155 ON	39.7	BCD
DPL 90-100	39.6	BCD
MCNAIR 235	39.3	CDE
KNX 2019	39.3	CDE
LA 1083 ON	39.3	CDE
Ga T 77-27	39.0	DE
Ga T 79-13	39.0	DE
STONEVILLE 213	38.8	DE
ACALA SJ C-1	38.5	E
KNX 99	37.4	F

SEED INDEX

KNX 99	12.6	A
ACALA SJ C-1	11.4	B
Ga T 79-13	11.3	B
Ga T 77-27	11.2	B
LA 1083 ON	10.7	C
MO 78-344	10.6	C
STONEVILLE 213	10.5	CD
PD 6132	10.5	CD
KNX 2019	10.4	CD
LA 1155 ON	10.3	CDE
MCNAIR 235	10.1	DEF
COKER 81-102	10.1	DEF
COKER 80-118	10.1	DEF
STONEVILLE 1324	9.9	EFG
DPL 90-100	9.7	FG
STONEVILLE 1318	9.5	G

YARN TENACITY

PD 6132	167	A
ACALA SJ C-1	160	B
COKER 80-118	150	C
LA 1083 ON	150	C
COKER 81-102	149	CD
KNX 99	148	CD
Ga T 77-27	147	CD
MCNAIR 235	146	CD
MO 78-344	146	CD
DPL 90-100	144	DE
Ga T 79-13	144	DE
STONEVILLE 1324	144	DE
LA 1155 ON	140	EF
KNX 2019	137	F
STONEVILLE 1318	136	F
STONEVILLE 213	127	G

FIBROGRAPH—2.5% S.L.

COKER 81-102	1.18	A
PD 6132	1.17	AB
MO 78-344	1.17	AB
Ga T 77-27	1.17	AB
Ga T 79-13	1.17	AB
COKER 80-118	1.16	ABC
KNX 2019	1.15	BCD
KNX 99	1.15	BCD
DPL 90-100	1.14	CDE
STONEVILLE 1318	1.14	CDE
STONEVILLE 1324	1.14	CDE
ACALA SJ C-1	1.13	DEF
LA 1155 ON	1.13	DEF
MCNAIR 235	1.12	EF
LA 1083 ON	1.12	EF
STONEVILLE 213	1.11	F

FIBROGRAPH—50% S.L.

ACALA SJ C-1	0.57	A
COKER 81-102	0.57	A
PD 6132	0.56	AB
MO 78-344	0.56	AB
COKER 80-118	0.56	AB
KNX 99	0.56	AB
DPL 90-100	0.55	ABC
Ga T 77-27	0.55	ABC
Ga T 79-13	0.55	ABC
STONEVILLE 1324	0.55	ABC
KNX 2019	0.54	BC
LA 1155 ON	0.54	BC
LA 1083 ON	0.54	BC
STONEVILLE 1318	0.54	BC
STONEVILLE 213	0.53	C
MCNAIR 235	0.53	C

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

STELOMETER - T1			STELOMETER - E1			MICRONAIRE		
PD 6132	223	A	KNX 99	7.3	A	KNX 2019	4.54	A
ACALA SJ C-1	220	A	STONEVILLE 213	7.0	AB	STONEVILLE 213	4.44	AB
DPL 90-100	205	B	STONEVILLE 1318	7.0	AB	STONEVILLE 1318	4.39	AB
LA 1083 ON	201	BC	LA 1155 ON	6.9	B	COKER 81-102	4.34	BC
COKER 81-102	198	BCD	DPL 90-100	6.5	C	COKER 80-118	4.34	BC
KNX 99	198	BCD	MO 78-344	6.4	CD	DPL 90-100	4.28	BCD
MO 78-344	196	CDE	Ga T 79-13	6.3	CDE	MO 78-344	4.27	BCD
COKER 80-118	196	CDE	STONEVILLE 1324	6.3	CDE	LA 1083 ON	4.17	CDE
Ga T 77-27	196	CDE	Ga T 77-27	6.2	CDE	STONEVILLE 1324	4.15	CDEF
MCNAIR 235	194	CDE	LA 1083 ON	6.2	CDE	PD 6132	4.13	DEF
Ga T 79-13	194	CDE	ACALA SJ C-1	6.1	DEF	ACALA SJ C-1	4.13	DEF
LA 1155 ON	192	DE	MCNAIR 235	6.0	EFG	MCNAIR 235	4.06	EF
STONEVILLE 1324	192	DE	KNX 2019	6.0	EFG	Ga T 79-13	4.01	EF
STONEVILLE 1318	188	EF	PD 6132	5.8	FG	LA 1155 ON	4.01	EF
KNX 2019	183	FG	COKER 81-102	5.8	FG	Ga T 77-27	3.96	F
STONEVILLE 213	178	G	COKER 80-118	5.7	G	KNX 99	3.66	G

UHM (INCHES)			UNIFORMITY (PERCENT)			TENACITY (G/TEX)		
COKER 81-102	1.24	A	ACALA SJ C-1	84.6	A	PD 6132	29.3	A
MO 78-344	1.23	AB	PD 6132	84.5	AB	ACALA SJ C-1	28.9	A
Ga T 79-13	1.23	AB	COKER 80-118	84.1	ABC	DPL 90-100	28.4	AB
Ga T 77-27	1.22	ABC	MO 78-344	83.9	ABC	MO 78-344	27.7	BC
KNX 2019	1.21	BCD	COKER 81-102	83.9	ABC	STONEVILLE 1318	27.5	BC
PD 6132	1.21	BCD	LA 1083 ON	83.8	ABCD	STONEVILLE 1324	27.4	BCD
COKER 80-118	1.20	CDE	STONEVILLE 1324	83.8	ABCD	Ga T 77-27	27.1	CDE
KNX 99	1.19	DEF	STONEVILLE 1318	83.7	ABCD	LA 1083 ON	27.1	CDE
STONEVILLE 1324	1.18	EFG	MCNAIR 235	83.6	BCD	KNX 99	26.9	CDEF
MCNAIR 235	1.17	FGH	KNX 99	83.6	BCD	COKER 81-102	26.6	CDEF
DPL 90-100	1.17	FGH	DPL 90-100	83.4	CD	Ga T 79-13	26.6	CDEF
STONEVILLE 1318	1.17	FGH	Ga T 79-13	83.4	CD	COKER 80-118	26.5	CDEF
ACALA SJ C-1	1.16	GHI	LA 1155 ON	83.4	CD	KNX 2019	26.1	DEF
LA 1155 ON	1.15	HI	KNX 2019	83.2	CD	MCNAIR 235	26.0	EF
LA 1083 ON	1.15	HI	Ga T 77-27	83.2	CD	LA 1155 ON	25.6	F
STONEVILLE 213	1.14	I	STONEVILLE 213	82.9	D	STONEVILLE 213	24.0	G



1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

COLORIMETER -RD		COLORIMETER - B		OIL (PERCENT)	
DPL 90-100	74.6 A	KNX 99	9.2 A	KNX 2019	22.77 A
KNX 2019	74.2 A	STONEVILLE 1318	9.1 A	ACALA SJ C-1	22.74 A
KNX 99	74.1 A	STONEVILLE 213	8.8 B	MCNAIR 235	22.32 AB
STONEVILLE 213	73.9 AB	STONEVILLE 1324	8.7 BC	COKER 81-102	22.29 AB
Ga T 77-27	73.8 ABC	KNX 2019	8.6 BCD	MO 78-344	22.23 AB
LA 1155 ON	73.6 ABCD	COKER 81-102	8.6 BCD	DPL 90-100	22.06 AB
ACALA SJ C-1	73.1 ABCD	DPL 90-100	8.6 BCD	COKER 80-118	21.96 AB
Ga T 79-13	73.1 ABCD	LA 1155 ON	8.6 BCD	Ga T 79-13	21.95 AB
MCNAIR 235	73.0 ABCD	COKER 80-118	8.5 BCD	KNX 99	21.84 AB
LA 1083 ON	72.5 BCD	Ga T 77-27	8.5 BCD	PD 6132	21.82 AB
COKER 81-102	72.4 BCD	PD 6132	8.4 CD	Ga T 77-27	21.82 AB
COKER 80-118	72.4 BCD	ACALA SJ C-1	8.4 CD	LA 1155 ON	21.53 ABC
MO 78-344	72.2 CDE	MO 78-344	8.4 CD	STONEVILLE 1324	21.33 ABC
PD 6132	72.0 DE	Ga T 79-13	8.4 CD	LA 1083 ON	21.13 BC
STONEVILLE 1324	70.8 EF	MCNAIR 235	8.3 D	STONEVILLE 213	20.80 BC
STONEVILLE 1318	70.0 F	LA 1083 ON	8.3 D	STONEVILLE 1318	20.31 C

NITROGEN (PERCENT)		FREE GOSSYPOL (PERCENT)		SEED GRADE	
KNX 99	3.68 A	STONEVILLE 1318	1.17 A	STONEVILLE 1324	5.6 A
COKER 81-102	3.63 AB	KNX 2019	1.12 AB	PD 6132	5.0 B
LA 1083 ON	3.62 AB	STONEVILLE 1324	1.08 B	DPL 90-100	5.0 B
STONEVILLE 1324	3.62 AB	PD 6132	1.00 C	MCNAIR 235	4.8 BC
ACALA SJ C-1	3.61 ABC	STONEVILLE 213	0.99 C	KNX 2019	4.8 BC
LA 1155 ON	3.61 ABC	LA 1155 ON	0.94 CD	LA 1155 ON	4.7 BCD
MO 78-344	3.60 ABC	DPL 90-100	0.92 CDE	LA 1083 ON	4.7 BCD
PD 6132	3.59 ABC	Ga T 79-13	0.92 CDE	KNX 99	4.7 BCD
Ga T 77-27	3.56 ABC	LA 1083 ON	0.90 DEF	COKER 81-102	4.5 BCDE
COKER 80-118	3.55 ABC	KNX 99	0.90 DEF	Ga T 77-27	4.5 BCDE
DPL 90-100	3.53 ABC	MCNAIR 235	0.87 DEF	COKER 80-118	4.4 CDE
Ga T 79-13	3.53 ABC	COKER 80-118	0.86 DEF	STONEVILLE 1318	4.4 CDE
KNX 2019	3.52 BC	Ga T 77-27	0.85 EF	STONEVILLE 213	4.2 DE
STONEVILLE 1318	3.52 BC	COKER 81-102	0.84 EF	MO 78-344	4.2 DE
STONEVILLE 213	3.48 BC	MO 78-344	0.82 F	Ga T 79-13	4.2 DE
MCNAIR 235	3.46 C	ACALA SJ C-1	0.63 G	ACALA SJ C-1	4.1 E

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING TIFTON, GA; FLORENCE, S.C.; ROCKY MOUNT, N.C.; BELLE MINA, ALA

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
KNX 2019	1367 A	6.11	40.7	10.0	135	1.13	.53	180	6.5	4.
MO 78-344	1324 AB	5.97	41.6	9.8	143	1.14	.54	200	7.0	4.
COKER 81-102	1323 AB	5.77	42.7	9.4	148	1.16	.56	189	6.0	4.
COKER 80-118	1321 AB	5.59	41.4	9.4	147	1.13	.55	192	6.0	4.
PD 6132	1317 AB	5.21	42.3	9.8	161	1.15	.55	219	6.7	3.
MCHAIR 235	1270 ABC	5.61	40.1	9.6	142	1.09	.52	193	6.3	3.
STONEVILLE 1324	1268 ABC	5.04	41.7	9.3	135	1.10	.52	186	6.8	3.
Ga T 77-27	1264 ABC	5.92	40.2	10.5	147	1.15	.55	195	6.8	3.
STONEVILLE 1318	1258 ABC	5.29	41.4	9.0	135	1.11	.53	187	7.6	4.
DPL 90-100	1215 ABC	5.55	40.3	9.4	146	1.11	.54	204	7.2	3.
Ga T 79-13	1215 ABC	6.29	40.4	10.7	138	1.15	.54	184	6.9	3.
STONEVILLE 213	1168 ABC	5.55	39.6	10.0	125	1.07	.52	169	7.5	3.
LA 1155 ON	1163 BC	5.23	40.6	9.6	138	1.09	.52	187	7.3	3.
LA 1083 ON	1109 C	5.47	40.5	10.2	148	1.07	.52	199	6.6	3.
KNX 99	1078 C	6.77	38.5	12.2	148	1.14	.56	195	7.9	3.
ACALA SJ C-1	719 D	6.83	39.0	11.3	157	1.13	.56	208	6.3	4.

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING TIFTON, GA; FLORENCE, S.C.; ROCKY MOUNT, N.C.; BELLE MINA, ALA

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
KNX 2019	1.16	83.0	26.0	76.3	8.1	21.78	3.71	1.06	
MO 78-344	1.19	83.3	28.3	74.0	8.2	21.91	3.76	.72	
COKER 81-102	1.23	83.8	26.5	74.9	8.2	21.48	3.83	.73	
COKER 80-118	1.18	83.5	25.3	74.0	8.3	21.59	3.67	.77	
PD 6132	1.19	84.5	28.0	73.0	8.0	21.27	3.78	.97	
MCHAIR 235	1.13	83.3	25.5	75.3	8.0	20.51	3.62	.73	
STONEVILLE 1324	1.15	83.5	26.5	72.5	8.4	20.82	3.76	1.02	
Ga T 77-27	1.18	82.8	27.0	76.0	8.0	21.05	3.69	.77	
STONEVILLE 1318	1.14	83.5	26.8	70.6	8.7	19.41	3.58	1.13	
DPL 90-100	1.15	83.8	28.0	76.8	8.3	21.28	3.72	.82	
Ga T 79-13	1.19	83.5	26.5	75.1	8.2	20.88	3.72	.82	
STONEVILLE 213	1.09	83.0	23.8	75.5	8.6	19.40	3.67	.89	
LA 1155 ON	1.12	82.3	24.3	75.1	8.4	20.40	3.73	.83	
LA 1083 ON	1.10	83.3	26.0	74.1	8.0	20.46	3.81	.85	
KNX 99	1.17	83.8	27.0	76.0	8.8	21.69	3.81	.85	
ACALA SJ C-1	1.15	84.3	28.5	74.6	8.1	22.44	3.59	.57	



1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING COLLEGE STATION, TX; ST JOSEPH, LA; STONEVILLE, MS; JACKSON, TN; PORTAGEVILLE, MO; ROHWER, AK

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MO 78-344	1107 A	6.23	39.4	11.2	147	1.19	.57	195	6.2	4.38
MCNAIR 235	1092 A	5.96	38.7	10.6	147	1.13	.53	194	5.9	4.25
KNX 2019	1082 AB	6.05	38.3	10.8	138	1.16	.55	184	5.8	4.70
STONEVILLE 213	1074 AB	5.71	38.3	10.9	128	1.12	.53	181	6.8	4.62
STONEVILLE 1324	1041 ABC	5.47	39.3	10.4	148	1.15	.56	194	6.1	4.35
COKER 81-102	1036 ABC	5.70	39.5	10.6	149	1.19	.57	201	5.7	4.43
Ga T 77-27	1030 ABC	6.21	38.2	11.8	147	1.18	.55	197	5.9	4.09
DPL 90-100	1028 ABC	5.48	39.2	9.9	144	1.15	.55	206	6.2	4.40
STONEVILLE 1318	1026 ABC	5.40	39.3	9.9	136	1.15	.54	189	6.8	4.55
COKER 80-118	1020 ABC	5.74	39.6	10.6	151	1.17	.57	198	5.6	4.46
LA 1155 ON	1003 ABC	5.27	39.2	10.8	142	1.14	.55	194	6.7	4.18
PD 6132	953 BCD	4.91	39.6	11.0	169	1.17	.57	225	5.4	4.26
Ga T 79-13	951 BCD	6.25	38.1	11.8	147	1.18	.55	197	6.1	4.13
LA 1083 ON	914 CD	5.74	38.5	11.2	150	1.14	.55	202	6.1	4.33
KNX 99	842 D	6.68	36.7	13.0	148	1.16	.56	200	7.2	3.72
ACALA SJ C-1	718 E	6.19	38.2	11.5	161	1.14	.57	225	6.0	4.18

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING COLLEGE STATION, TX; ST JOSEPH, LA; STONEVILLE, MS; JACKSON, TN; PORTAGEVILLE, MO; ROHWER, AK

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MO 78-344	1.24	84.1	27.5	71.5	8.5	22.44	3.49	.89	4.3
MCNAIR 235	1.19	83.7	26.2	72.1	8.4	23.53	3.35	.96	4.8
KNX 2019	1.23	83.3	26.1	73.5	8.9	23.43	3.40	1.15	5.0
STONEVILLE 213	1.16	82.8	24.1	73.2	8.9	21.73	3.36	1.05	4.5
STONEVILLE 1324	1.19	83.9	27.8	70.2	8.8	21.67	3.53	1.13	5.7
COKER 81-102	1.25	83.9	26.7	71.4	8.7	22.83	3.50	.92	4.3
Ga T 77-27	1.24	83.4	27.1	73.0	8.8	22.33	3.48	.91	4.3
DPL 90-100	1.18	83.3	28.6	73.8	8.7	22.59	3.40	.99	5.0
STONEVILLE 1318	1.19	83.8	27.8	69.8	9.2	20.91	3.48	1.20	4.2
COKER 80-118	1.21	84.4	27.0	71.8	8.6	22.20	3.47	.92	4.7
LA 1155 ON	1.17	83.8	26.1	73.0	8.7	22.29	3.52	1.01	4.7
PD 6132	1.22	84.5	29.8	71.7	8.6	22.19	3.47	1.03	5.0
Ga T 79-13	1.25	83.3	26.6	72.3	8.5	22.66	3.41	.99	4.3
LA 1083 ON	1.17	84.0	27.6	71.9	8.4	21.58	3.49	.94	4.7
KNX 99	1.19	83.5	26.8	73.3	9.3	21.93	3.60	.93	4.8
ACALA SJ C-1	1.16	84.7	29.0	72.5	8.5	22.94	3.62	.63	4.3

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
TIFTON,GA	1640 A	6.13	42.1	10.3	0	.00	.00	0	.0	.
ST JOS,LA	1599 A	5.56	42.0	10.0	142	1.13	.55	191	5.8	4.
FLORENCE,SC	1373 B	5.59	42.1	9.4	143	1.09	.53	196	6.7	4.
PORTAGEVILLE,MO	1020 C	6.60	39.9	11.8	129	1.15	.53	185	6.5	4.
ROCKY MOUNT,NC	963 CD	5.79	40.2	10.2	0	.00	.00	0	.0	.
COL. STA,TX	923 DE	5.50	38.3	10.8	158	1.14	.55	207	6.0	4.
JACKSON,TN	902 DE	5.93	38.9	11.2	151	1.16	.57	207	6.5	4.
BELLE MINA,AL	868 E	5.54	38.4	10.2	143	1.15	.55	189	7.0	3.
STONEVILLE,MS	855 E	5.47	36.2	11.1	154	1.20	.58	204	5.9	3.
ROHWER,AR	670 F	.00	37.3	.0	0	.00	.00	0	.0	.

1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grad
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
TIFTON,GA	.00	.0	.0	.0	.0	.00	.00	.00	.
ST JOS,LA	1.17	83.9	24.5	73.9	7.8	22.20	3.25	1.07	.
FLORENCE,SC	1.13	83.4	27.7	82.3	8.1	20.87	3.88	.88	.
PORTAGEVILLE,MO	1.21	83.1	28.0	66.4	8.4	22.12	3.64	.92	.
ROCKY MOUNT,NC	.00	.0	.0	.0	.0	.00	.00	.00	.
COL. STA,TX	1.18	84.3	27.4	67.6	9.2	.00	.00	.00	.
JACKSON,TN	1.20	83.9	28.1	75.8	9.1	22.66	3.53	.95	.
BELLE MINA,AL	1.18	83.5	25.3	66.9	8.4	21.17	3.55	.81	.
STONEVILLE,MS	1.24	83.7	27.8	77.0	9.1	.00	.00	.00	.
ROHWER,AR	.00	.0	.0	.0	.0	.00	.00	.00	.



## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

ST JOS, LA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MO 78-344	1837 A	5.79	42.3	10.3	144	1.16	.56	195	6.2	4.40
DPL 90-100	1797 AB	5.15	44.3	8.9	144	1.13	.55	190	5.8	4.20
KNX 2019	1788 AB	5.52	41.9	10.3	133	1.14	.55	182	5.9	4.70
COKER 81-102	1746 ABC	5.33	44.2	9.1	150	1.16	.57	199	5.5	4.50
STONEVILLE 213	1745 ABC	5.41	41.8	9.9	125	1.10	.51	171	6.8	4.60
STONEVILLE 1318	1687 ABC	4.43	44.7	8.3	126	1.09	.51	182	6.5	4.45
COKER 80-118	1655 ABC	5.64	43.2	9.6	143	1.16	.55	196	5.0	4.65
Ga T 77-27	1645 ABC	6.12	40.9	10.4	149	1.17	.55	191	5.3	4.05
LA 1155 ON	1621 ABC	5.20	41.5	10.2	134	1.13	.54	182	6.0	4.35
MCNAIR 235	1617 ABC	5.88	41.3	9.8	141	1.11	.53	186	5.5	4.40
STONEVILLE 1324	1609 ABC	4.97	42.8	9.2	140	1.13	.55	191	5.9	4.20
PD 6132	1591 BC	4.75	42.6	9.9	153	1.15	.56	210	5.4	4.25
Ga T 79-13	1553 BC	5.98	41.1	11.0	137	1.14	.53	180	5.6	4.40
LA 1083 ON	1504 C	6.21	40.9	11.0	143	1.11	.53	197	5.3	4.40
KNX 99	1242 D	6.29	37.8	12.1	148	1.16	.56	201	7.0	3.60
ACALA SJ C-1	947 E	6.30	40.6	10.9	161	1.11	.56	209	5.9	4.25

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

ST JOS, LA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b valve	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
MO 78-344	1.21	84.0	26.0	71.3	7.2	21.97	3.31	.93	4.5
DPL 90-100	1.15	83.5	25.0	75.8	7.6	22.33	3.33	1.11	5.0
KNX 2019	1.20	83.5	23.0	77.0	8.1	23.39	3.26	1.27	5.0
COKER 81-102	1.21	85.0	23.5	74.0	8.1	22.72	3.33	1.03	5.0
STONEVILLE 213	1.11	83.0	22.5	75.8	8.2	21.40	3.25	1.15	4.0
STONEVILLE 1318	1.11	84.0	24.5	71.3	8.3	20.71	3.15	1.35	4.0
COKER 80-118	1.20	84.5	25.5	72.5	7.8	21.89	3.18	1.08	4.5
Ga T 77-27	1.20	83.5	25.0	75.5	7.9	22.07	3.18	.93	5.0
LA 1155 ON	1.15	83.0	24.5	74.5	7.8	22.32	3.27	1.13	5.0
MCNAIR 235	1.16	85.0	22.5	74.3	7.9	23.09	3.11	.88	4.5
STONEVILLE 1324	1.18	84.0	24.5	69.3	7.5	21.88	3.22	1.27	6.0
PD 6132	1.19	84.5	25.0	72.8	7.7	24.73	3.20	1.13	5.0
Ga T 79-13	1.21	83.5	25.5	75.0	7.5	22.30	3.28	1.09	4.5
LA 1083 ON	1.17	84.5	24.5	74.5	7.6	21.35	3.29	1.06	5.0
KNX 99	1.17	83.0	23.5	74.0	8.0	21.47	3.51	.93	4.5
ACALA SJ C-1	1.14	84.5	27.5	75.8	8.0	21.55	3.22	.82	4.0

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

TIFTON, GA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PD 6132	1824 A <sup>-</sup>	6.39	43.6	9.9	0	.00	.00	0	.0	
COKER 81-102	1815 A	6.34	44.4	9.0	0	.00	.00	0	.0	
MO 78-344	1806 A	6.53	42.8	10.2	0	.00	.00	0	.0	
DPL 90-100	1794 A	5.74	41.9	9.8	0	.00	.00	0	.0	
KNX 2019	1781 AB	6.36	42.3	10.3	0	.00	.00	0	.0	
STONEVILLE 213	1750 AB	6.08	41.3	10.6	0	.00	.00	0	.0	
COKER 80-118	1749 AB	6.31	42.5	9.6	0	.00	.00	0	.0	
Ga T 77-27	1743 AB	6.36	41.4	11.1	0	.00	.00	0	.0	
Ga T 79-13	1697 ABC	6.56	41.4	11.2	0	.00	.00	0	.0	
STONEVILLE 1318	1672 ABCD	5.32	42.9	9.4	0	.00	.00	0	.0	
MCHAIR 235	1656 ABCDE	5.97	42.0	10.1	0	.00	.00	0	.0	
STONEVILLE 1324	1589 BCDE	4.83	44.1	9.1	0	.00	.00	0	.0	
LA 1155 ON	1544 CDE	5.67	41.8	10.2	0	.00	.00	0	.0	
LA 1083 ON	1492 DE	5.79	41.3	11.2	0	.00	.00	0	.0	
KNX 99	1462 E	6.84	39.5	11.3	0	.00	.00	0	.0	
ACALA SJ C-1	868 F	7.05	40.3	11.3	0	.00	.00	0	.0	

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

TIFTON, GA

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grad
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
PD 6132	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 81-102	.00	.0	.0	.0	.0	.00	.00	.00	
MO 78-344	.00	.0	.0	.0	.0	.00	.00	.00	
DPL 90-100	.00	.0	.0	.0	.0	.00	.00	.00	
KNX 2019	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 80-118	.00	.0	.0	.0	.0	.00	.00	.00	
Ga T 77-27	.00	.0	.0	.0	.0	.00	.00	.00	
Ga T 79-13	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 1318	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 1324	.00	.0	.0	.0	.0	.00	.00	.00	
LA 1155 ON	.00	.0	.0	.0	.0	.00	.00	.00	
LA 1083 ON	.00	.0	.0	.0	.0	.00	.00	.00	
KNX 99	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	



## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

FLORENCE, SC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
COKER 80-118	1584 A	5.80	43.1	9.1	146	1.09	.53	198	5.7	4.70
MO 78-344	1548 AB	5.86	44.0	9.3	141	1.07	.52	198	6.7	4.65
MCNAIR 235	1545 AB	5.37	41.8	8.9	139	1.07	.51	196	6.1	3.95
PD 6132	1538 AB	4.85	43.0	9.3	158	1.11	.55	225	6.8	4.00
KNX 2019	1523 AB	6.10	42.1	9.2	137	1.10	.53	185	6.3	4.40
COKER 81-102	1521 AB	6.04	43.7	9.4	147	1.11	.54	182	5.8	4.75
STONEVILLE 1324	1497 ABC	4.57	43.1	8.3	130	1.10	.54	195	6.9	3.95
STONEVILLE 1318	1442 BCD	4.48	43.4	7.7	136	1.05	.48	191	7.6	4.20
Ga T 77-27	1397 CD	5.94	41.5	9.7	148	1.13	.54	203	6.5	4.00
KNX 99	1394 CD	7.16	40.1	11.9	148	1.12	.55	192	7.9	4.00
Ga T 79-13	1367 DE	6.11	42.2	10.0	140	1.10	.53	190	6.8	4.10
STONEVILLE 213	1262 EF	5.22	41.4	9.6	125	1.04	.51	174	7.2	4.35
LA 1155 ON	1202 F	4.77	42.1	9.0	139	1.07	.52	188	7.0	3.85
DPL 90-100	1189 F	5.34	41.8	9.1	142	1.08	.53	205	7.0	4.45
LA 1083 ON	1049 G	4.94	41.1	9.3	154	1.05	.51	209	6.9	4.10
ACALA SJ C-1	905 H	6.85	39.5	11.1	163	1.11	.55	216	6.2	4.50

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

FLORENCE, SC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
COKER 80-118	1.16	84.5	26.0	82.0	8.3	20.95	3.73	.83	4.0
MO 78-344	1.13	82.5	29.5	81.8	8.0	21.38	3.88	.81	4.0
MCNAIR 235	1.11	83.0	27.0	82.8	7.6	20.49	3.70	.73	5.0
PD 6132	1.14	84.0	29.5	82.8	7.8	22.28	3.94	.98	5.0
KNX 2019	1.15	83.5	27.5	83.0	8.0	21.57	3.91	1.11	5.0
COKER 81-102	1.20	84.0	27.0	82.8	8.1	22.54	3.95	.83	5.0
STONEVILLE 1324	1.13	84.0	27.5	82.5	8.4	19.27	3.83	1.04	6.0
STONEVILLE 1318	1.09	82.5	27.0	79.0	9.1	18.77	3.76	1.06	4.5
Ga T 77-27	1.15	83.5	26.5	83.3	7.7	20.57	3.85	.82	5.0
KNX 99	1.16	83.0	30.0	81.8	8.7	21.55	3.98	.91	5.0
Ga T 79-13	1.16	83.5	27.5	82.5	8.1	21.04	3.94	.84	4.0
STONEVILLE 213	1.06	83.0	24.5	82.8	8.5	19.17	3.89	.86	4.0
LA 1155 ON	1.09	82.5	25.0	82.3	8.1	20.16	4.00	.84	5.0
DPL 90-100	1.14	83.5	30.0	82.3	8.3	21.84	3.95	.84	5.0
LA 1083 ON	1.07	83.0	28.0	82.8	7.6	19.16	4.04	.88	5.0
ACALA SJ C-1	1.15	84.0	31.0	82.3	8.0	23.21	3.79	.66	4.0

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

PORTAGEVILLE, MO

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Rea)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
MO 78-344	1224 A	7.30	40.8	12.0	138	1.19	.56	183	6.5	4.
MCNAIR 235	1191 AB	6.35	40.3	11.4	130	1.15	.53	186	6.3	4.
KNX 2019	1162 ABC	6.75	39.9	11.7	122	1.19	.54	165	6.2	4.
STONEVILLE 1318	1091 BCD	6.80	39.4	11.1	119	1.13	.52	178	7.6	4.
Ga T 79-13	1083 BCD	7.15	39.5	12.5	130	1.18	.51	184	6.3	4.
STONEVILLE 1324	1083 BCD	6.05	40.4	11.8	131	1.15	.55	175	6.8	4.
COKER 80-118	1072 BCD	6.30	41.9	10.8	135	1.15	.54	184	6.0	4.
COKER 81-102	1050 CDE	6.85	40.5	11.4	133	1.18	.53	189	5.9	4.
Ga T 77-27	1046 CDE	7.05	38.9	12.7	124	1.18	.54	186	6.1	4.
STONEVILLE 213	994 DEF	6.70	39.0	11.8	108	1.07	.48	165	7.0	4.
LA 1155 ON	939 EFG	6.55	39.6	12.0	126	1.14	.55	181	6.7	4.
PD 6132	926 EFGH	5.45	41.1	12.0	157	1.17	.54	218	5.3	4.
DPL 90-100	907 FGH	6.00	40.5	10.8	116	1.14	.52	186	7.0	4.
LA 1083 ON	897 FGH	6.25	38.9	11.8	132	1.15	.55	190	6.3	4.
KNX 99	844 GH	7.10	38.6	13.6	127	1.11	.53	174	7.1	3.
ACALA SJ C-1	805 H	6.90	39.5	12.2	141	1.13	.55	214	6.7	4.

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

PORTAGEVILLE, MO

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grac
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
MO 78-344	1.26	84.5	27.5	69.3	8.4	22.36	3.65	.92	
MCNAIR 235	1.19	82.5	28.0	67.3	7.9	23.96	3.64	1.00	
KNX 2019	1.23	82.5	27.0	68.0	8.6	23.11	3.54	1.13	
STONEVILLE 1318	1.21	83.0	28.5	64.5	8.6	20.93	3.71	1.08	
Ga T 79-13	1.29	82.5	27.5	64.8	8.3	22.48	3.56	.88	
STONEVILLE 1324	1.21	84.0	29.0	65.0	8.6	21.47	3.73	1.01	
COKER 80-118	1.20	83.0	27.0	66.0	8.2	22.44	3.70	.82	
COKER 81-102	1.29	83.0	27.5	64.8	8.7	22.88	3.46	.84	
Ga T 77-27	1.26	82.5	29.0	67.3	8.6	22.23	3.58	.89	
STONEVILLE 213	1.14	82.0	24.0	65.5	8.7	22.82	3.41	1.01	
LA 1155 ON	1.19	84.0	26.5	69.3	8.1	22.41	3.69	.92	
PD 6132	1.24	84.5	31.5	66.8	8.0	17.73	3.78	.95	
DPL 90-100	1.17	81.0	29.5	65.3	8.7	22.31	3.52	.92	
LA 1083 ON	1.17	83.5	29.0	66.3	8.1	21.46	3.64	.85	
KNX 99	1.20	82.5	27.0	67.5	8.9	21.85	3.69	.90	
ACALA SJ C-1	1.19	84.0	29.5	65.3	8.2	23.57	3.89	.57	



## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

COL. STA, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
STONEVILLE 213	1223 A	5.42	39.0	10.4	138	1.14	.56	189	7.0	4.70
MCNAIR 235	1087 AB	5.70	39.5	10.5	158	1.10	.53	205	6.0	4.25
Ga T 77-27	1001 ABC	5.92	37.0	11.4	161	1.16	.54	204	5.8	3.90
PD 6132	978 BCD	4.67	37.8	10.6	180	1.14	.54	236	5.0	4.20
STONEVILLE 1318	976 BCD	5.15	39.4	10.0	151	1.15	.54	204	6.0	4.75
COKER 81-102	975 BCD	5.24	38.5	10.4	154	1.16	.55	198	5.6	4.50
DPL 90-100	968 BCD	5.54	38.4	9.7	153	1.11	.53	208	6.2	4.90
COKER 80-118	963 BCD	5.46	38.6	10.7	165	1.16	.56	200	5.7	4.50
KNX 2019	901 BCD	5.96	38.4	9.9	148	1.14	.54	198	5.4	4.65
MO 78-344	888 BCD	5.84	38.2	11.1	152	1.16	.54	198	5.8	4.50
STONEVILLE 1324	856 BCD	5.12	39.0	10.3	166	1.16	.56	209	5.5	4.25
LA 1155 ON	855 BCD	4.58	38.8	10.1	148	1.12	.54	203	7.0	3.95
Ga T 79-13	824 CD	5.40	37.8	11.4	154	1.17	.55	214	6.6	4.05
LA 1083 ON	810 CD	5.30	38.6	10.5	161	1.12	.54	207	6.6	4.25
KNX 99	739 D	6.48	35.1	13.5	162	1.16	.57	208	7.2	4.05
ACALA SJ C-1	728 D	6.17	38.3	12.1	178	1.15	.56	242	5.5	4.20

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

COL. STA, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
STONEVILLE 213	1.19	84.0	24.5	68.5	9.1	.00	.00	.00	.0
MCNAIR 235	1.17	84.5	26.0	65.8	8.7	.00	.00	.00	.0
Ga T 77-27	1.22	84.0	28.0	66.8	9.0	.00	.00	.00	.0
PD 6132	1.17	84.5	30.0	66.3	9.5	.00	.00	.00	.0
STONEVILLE 1318	1.19	83.5	29.5	66.3	9.3	.00	.00	.00	.0
COKER 81-102	1.20	83.0	26.5	65.8	9.1	.00	.00	.00	.0
DPL 90-100	1.13	83.5	28.5	70.3	9.1	.00	.00	.00	.0
COKER 80-118	1.20	85.5	26.5	67.8	8.9	.00	.00	.00	.0
KNX 2019	1.21	83.0	26.0	69.5	9.3	.00	.00	.00	.0
MO 78-344	1.22	85.0	28.5	67.3	9.3	.00	.00	.00	.0
STONEVILLE 1324	1.20	84.5	28.0	66.5	9.5	.00	.00	.00	.0
LA 1155 ON	1.13	83.5	25.5	68.3	9.1	.00	.00	.00	.0
Ga T 79-13	1.20	83.5	27.0	68.0	8.9	.00	.00	.00	.0
LA 1083 ON	1.16	84.5	28.5	68.0	8.9	.00	.00	.00	.0
KNX 99	1.21	85.5	26.5	70.0	10.5	.00	.00	.00	.0
ACALA SJ C-1	1.16	86.0	29.0	67.3	8.5	.00	.00	.00	.0

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

ROCKY MOUNT, NC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reac)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
LA 1155 ON	1127 A	5.17	40.3	9.5	0	.00	.00	0	.0	
STONEVILLE 1324	1121 A	5.18	41.4	9.8	0	.00	.00	0	.0	
LA 1083 ON	1114 A	5.41	40.5	10.5	0	.00	.00	0	.0	
KNX 2019	1112 A	6.11	39.6	9.9	0	.00	.00	0	.0	
MO 78-344	1065 AB	6.11	41.0	9.9	0	.00	.00	0	.0	
COKER 80-118	1034 AB	5.63	40.5	9.9	0	.00	.00	0	.0	
STONEVILLE 1318	1025 AB	5.25	40.5	9.1	0	.00	.00	0	.0	
MCHAIR 235	1013 AB	5.80	39.4	9.8	0	.00	.00	0	.0	
PD 6132	1013 AB	4.73	42.5	9.5	0	.00	.00	0	.0	
COKER 81-102	979 BC	5.69	42.0	9.9	0	.00	.00	0	.0	
DPL 90-100	973 BC	5.75	39.4	9.7	0	.00	.00	0	.0	
Ga T 79-13	956 BC	6.47	41.1	11.3	0	.00	.00	0	.0	
Ga T 77-27	954 BC	6.23	40.5	10.8	0	.00	.00	0	.0	
STONEVILLE 213	866 C	5.79	37.8	10.2	0	.00	.00	0	.0	
KNX 99	635 D	6.80	37.6	12.7	0	.00	.00	0	.0	
ACALA SJ C-1	424 E	6.54	38.4	11.2	0	.00	.00	0	.0	

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

ROCKY MOUNT, NC

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
LA 1155 ON	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 1324	.00	.0	.0	.0	.0	.00	.00	.00	
LA 1083 ON	.00	.0	.0	.0	.0	.00	.00	.00	
KNX 2019	.00	.0	.0	.0	.0	.00	.00	.00	
MO 78-344	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 80-118	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 1318	.00	.0	.0	.0	.0	.00	.00	.00	
MCHAIR 235	.00	.0	.0	.0	.0	.00	.00	.00	
PD 6132	.00	.0	.0	.0	.0	.00	.00	.00	
COKER 81-102	.00	.0	.0	.0	.0	.00	.00	.00	
DPL 90-100	.00	.0	.0	.0	.0	.00	.00	.00	
Ga T 79-13	.00	.0	.0	.0	.0	.00	.00	.00	
Ga T 77-27	.00	.0	.0	.0	.0	.00	.00	.00	
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00	
KNX 99	.00	.0	.0	.0	.0	.00	.00	.00	
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00	



## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

JACKSON, TN

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
KNX 2019	1084 A	6.21	39.8	10.9	145	1.17	.56	188	5.8	4.90
MCNAIR 235	1005 AB	5.99	38.3	10.3	155	1.15	.55	198	6.0	4.20
DPL 90-100	948 BC	5.33	38.8	10.0	153	1.17	.58	227	6.6	4.50
STONEVILLE 1324	946 BC	5.99	39.8	9.9	148	1.14	.55	199	6.7	4.40
STONEVILLE 213	943 BCD	5.80	38.3	11.4	133	1.13	.54	197	6.9	4.80
MO 78-344	943 BCD	6.21	39.4	11.8	148	1.18	.56	197	6.6	4.60
Ga T 77-27	937 BCD	6.38	39.2	11.8	152	1.21	.58	208	6.6	4.30
COKER 80-118	917 BCD	5.92	39.9	10.9	162	1.18	.58	213	6.1	4.40
STONEVILLE 1318	905 BCD	5.25	39.9	9.8	141	1.15	.55	188	7.2	4.55
LA 1155 ON	902 BCD	5.29	39.1	11.1	150	1.16	.57	202	7.6	4.20
Ga T 79-13	872 BCD	6.90	38.5	12.2	157	1.20	.58	205	6.4	4.20
COKER 81-102	854 CD	6.08	38.5	11.4	149	1.20	.58	208	5.8	4.70
KNX 99	843 CD	7.01	36.9	12.4	145	1.16	.57	212	7.3	3.80
PD 6132	823 CDE	5.13	39.8	11.3	174	1.18	.59	227	6.0	4.35
LA 1083 ON	804 DE	5.38	38.0	11.8	153	1.15	.56	208	6.6	4.65
ACALA SJ C-1	707 E	5.99	38.6	11.3	163	1.13	.56	246	6.2	4.25

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

JACKSON, TN

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
KNX 2019	1.22	84.0	26.0	77.3	9.3	23.81	3.40	1.05	5.0
MCNAIR 235	1.20	83.0	27.5	75.5	8.5	23.55	3.30	.99	5.0
DPL 90-100	1.23	84.5	31.0	77.8	8.9	23.12	3.35	.95	5.0
STONEVILLE 1324	1.14	83.0	28.5	74.8	9.3	21.67	3.65	1.11	5.0
STONEVILLE 213	1.15	82.5	26.0	77.0	9.4	20.96	3.43	.99	4.5
MO 78-344	1.19	82.5	27.5	74.3	8.7	22.99	3.50	.83	4.5
Ga T 77-27	1.25	84.0	27.5	77.3	9.3	22.70	3.67	.90	4.0
COKER 80-118	1.23	86.0	28.5	76.0	9.6	22.29	3.55	.86	5.0
STONEVILLE 1318	1.20	84.5	27.5	72.0	10.1	21.09	3.59	1.17	4.5
LA 1155 ON	1.19	84.5	28.0	76.5	9.3	22.13	3.60	.98	5.0
Ga T 79-13	1.26	83.0	27.5	76.0	8.8	23.20	3.37	.99	4.5
COKER 81-102	1.25	84.5	29.5	75.3	9.2	22.89	3.71	.90	4.0
KNX 99	1.19	84.5	27.5	77.3	9.4	22.48	3.60	.97	5.0
PD 6132	1.21	84.5	29.5	75.5	8.7	24.12	3.43	1.00	5.0
LA 1083 ON	1.19	84.0	28.0	74.3	8.6	21.93	3.54	.91	5.0
ACALA SJ C-1	1.11	83.5	29.5	76.8	8.9	23.70	3.75	.63	5.0

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

STONEVILLE, MS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reac)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
STONEVILLE 1324	1068 A	5.22	38.3	10.8	155	1.18	.56	199	5.9	4
MO 78-344	999 AB	5.98	36.3	10.8	154	1.24	.60	203	5.9	3
LA 1155 ON	987 AB	4.76	38.5	10.6	151	1.17	.55	205	6.4	3
STONEVILLE 1318	977 ABC	5.35	37.2	10.1	146	1.21	.60	196	6.7	4
MCNAIR 235	902 BCD	5.88	35.3	11.0	154	1.15	.53	196	5.8	4
KNX 2019	894 BCD	5.78	35.6	10.9	144	1.18	.54	187	5.5	4
DPL 90-100	882 BCD	5.39	36.4	10.3	155	1.21	.58	217	5.4	3
Ga T 77-27	869 BCD	5.60	34.8	12.7	148	1.21	.54	196	5.8	3
COKER 80-118	866 BCD	5.37	36.6	10.9	153	1.22	.60	198	5.5	4
STONEVILLE 213	852 CDE	5.20	36.8	10.9	135	1.18	.57	185	6.3	4
LA 1083 ON	822 DEF	5.58	37.0	10.7	163	1.16	.58	206	5.7	3
COKER 81-102	816 DEF	4.98	36.0	10.5	159	1.24	.60	215	5.6	3
Ga T 79-13	780 DEF	5.81	34.9	12.1	156	1.23	.59	206	5.5	3
KNX 99	728 EF	6.54	33.1	13.6	157	1.20	.57	205	7.3	3
PD 6132	720 F	4.53	37.0	11.3	179	1.23	.59	233	5.6	3
ACALA SJ C-1	522 G	5.61	36.3	11.0	162	1.18	.60	218	5.7	3

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

STONEVILLE, MS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
STONEVILLE 1324	1.21	84.0	29.0	75.3	9.3	.00	.00	.00	
MO 78-344	1.32	84.5	28.0	75.3	8.7	.00	.00	.00	
LA 1155 ON	1.18	84.0	26.0	76.5	9.1	.00	.00	.00	
STONEVILLE 1318	1.22	84.0	29.0	74.8	9.8	.00	.00	.00	
MCNAIR 235	1.22	83.5	27.0	77.8	8.9	.00	.00	.00	
KNX 2019	1.29	83.5	28.5	75.5	9.1	.00	.00	.00	
DPL 90-100	1.21	84.0	29.0	79.8	9.1	.00	.00	.00	
Ga T 77-27	1.29	83.0	26.0	78.0	9.1	.00	.00	.00	
COKER 80-118	1.24	83.0	27.5	76.8	8.5	.00	.00	.00	
STONEVILLE 213	1.19	82.5	23.5	79.3	9.2	.00	.00	.00	
LA 1083 ON	1.18	83.5	28.0	76.5	8.9	.00	.00	.00	
COKER 81-102	1.30	84.0	26.5	77.3	8.5	.00	.00	.00	
Ga T 79-13	1.30	84.0	25.5	78.0	9.0	.00	.00	.00	
KNX 99	1.21	82.0	29.5	78.0	9.9	.00	.00	.00	
PD 6132	1.29	84.5	33.0	77.0	9.0	.00	.00	.00	
ACALA SJ C-1	1.20	85.5	29.5	77.3	8.9	.00	.00	.00	



## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

BELLE MINA, AL

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
KNX 2019	1053 A	5.86	38.5	10.7	134	1.15	.53	175	6.8	3.90
COKER 81-102	977 AB	5.00	40.8	9.5	148	1.21	.59	196	6.3	3.50
Ga T 77-27	960 AB	5.14	37.5	10.6	147	1.16	.56	186	7.0	3.30
COKER 80-118	915 AB	4.62	39.5	9.2	149	1.18	.57	187	6.4	3.40
DPL 90-100	904 AB	5.39	38.0	9.3	150	1.13	.55	203	7.5	3.50
PD 6132	894 AB	4.86	39.9	10.6	165	1.20	.55	213	6.6	3.60
STONEVILLE 1318	893 AB	6.13	38.5	9.8	135	1.17	.57	182	7.5	3.80
MO 78-344	875 ABC	5.40	38.5	9.8	146	1.20	.56	202	7.4	3.35
MCAIR 235	865 ABC	5.30	37.4	9.6	145	1.12	.53	191	6.5	3.25
STONEVILLE 1324	865 ABC	5.57	38.3	10.1	140	1.11	.51	176	6.8	3.35
Ga T 79-13	840 BC	6.04	37.0	10.3	136	1.19	.55	178	7.1	3.30
KNX 99	822 BC	6.28	36.6	12.7	149	1.16	.56	199	7.9	3.00
STONEVILLE 213	794 BC	5.13	38.1	9.8	125	1.10	.53	164	7.9	3.60
LA 1083 ON	782 BC	5.75	39.1	9.8	143	1.09	.54	189	6.4	3.45
LA 1155 ON	778 BC	5.30	38.0	9.8	137	1.10	.53	187	7.5	3.30
ACALA SJ C-1	678 C	6.87	38.0	11.7	150	1.14	.56	200	6.5	3.50

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

BELLE MINA, AL

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
KNX 2019	1.18	82.5	24.5	69.5	8.1	21.99	3.50	1.01	4.0
COKER 81-102	1.26	83.5	26.0	66.8	8.2	20.43	3.72	.63	4.5
Ga T 77-27	1.20	82.0	27.5	68.8	8.2	21.53	3.52	.72	4.5
COKER 80-118	1.19	82.5	24.5	66.0	8.4	22.22	3.60	.71	4.0
DPL 90-100	1.17	84.8	26.0	71.3	8.2	20.71	3.49	.81	5.0
PD 6132	1.23	85.0	26.5	63.3	8.2	20.27	3.62	.96	5.0
STONEVILLE 1318	1.19	84.5	26.5	62.3	8.2	20.64	3.41	1.20	5.0
MO 78-344	1.25	84.0	27.0	66.3	8.3	22.45	3.64	.64	4.0
MCAIR 235	1.15	83.5	24.0	67.8	8.4	20.53	3.54	.73	4.5
STONEVILLE 1324	1.18	83.0	25.5	62.5	8.4	22.37	3.70	.99	5.0
Ga T 79-13	1.21	83.5	25.5	67.8	8.3	20.73	3.50	.79	4.0
KNX 99	1.19	84.5	24.0	70.3	8.9	21.82	3.64	.80	4.0
STONEVILLE 213	1.13	83.0	23.0	68.3	8.7	19.63	3.45	.93	3.5
LA 1083 ON	1.12	83.5	24.0	65.5	8.3	21.75	3.59	.82	4.5
LA 1155 ON	1.15	82.0	23.5	68.0	8.8	20.64	3.48	.82	4.5
ACALA SJ C-1	1.16	84.5	26.0	67.0	8.2	21.67	3.40	.48	3.5

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

ROHWER, AR

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reac)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
COKER 81-102	772 A	.00	39.1	.0	0	.00	.00	0	.0	
MCNAIR 235	750 A	.00	37.6	.0	0	.00	.00	0	.0	
MO 78-344	750 A	.00	39.8	.0	0	.00	.00	0	.0	
LA 1155 ON	714 A	.00	37.6	.0	0	.00	.00	0	.0	
STONEVILLE 213	688 AB	.00	35.8	.0	0	.00	.00	0	.0	
STONEVILLE 1324	686 AB	.00	35.8	.0	0	.00	.00	0	.0	
Ga T 77-27	682 AB	.00	38.6	.0	0	.00	.00	0	.0	
PD 6132	677 AB	.00	39.4	.0	0	.00	.00	0	.0	
DPL 90-100	666 AB	.00	36.9	.0	0	.00	.00	0	.0	
KNX 2019	665 AB	.00	34.5	.0	0	.00	.00	0	.0	
KNX 99	658 AB	.00	38.5	.0	0	.00	.00	0	.0	
COKER 80-118	649 AB	.00	37.3	.0	0	.00	.00	0	.0	
LA 1083 ON	647 AB	.00	37.5	.0	0	.00	.00	0	.0	
ACALA SJ C-1	597 AB	.00	36.0	.0	0	.00	.00	0	.0	
Ga T 79-13	596 AB	.00	36.6	.0	0	.00	.00	0	.0	
STONEVILLE 1318	522 B	.00	35.5	.0	0	.00	.00	0	.0	

## 1984 HIGH QUALITY REGIONAL COTTON VARIETY TEST

ROHWER, AR

VARIETY	HIGH-VOLUME INSTRUMENT			Rd	COLORIMETER		Seed Data			See Gra
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)		HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)		
COKER 81-102	.00	.0	.0	.0	.0	.00	.00	.00		
MCNAIR 235	.00	.0	.0	.0	.0	.00	.00	.00		
MO 78-344	.00	.0	.0	.0	.0	.00	.00	.00		
LA 1155 ON	.00	.0	.0	.0	.0	.00	.00	.00		
STONEVILLE 213	.00	.0	.0	.0	.0	.00	.00	.00		
STONEVILLE 1324	.00	.0	.0	.0	.0	.00	.00	.00		
Ga T 77-27	.00	.0	.0	.0	.0	.00	.00	.00		
PD 6132	.00	.0	.0	.0	.0	.00	.00	.00		
DPL 90-100	.00	.0	.0	.0	.0	.00	.00	.00		
KNX 2019	.00	.0	.0	.0	.0	.00	.00	.00		
KNX 99	.00	.0	.0	.0	.0	.00	.00	.00		
COKER 80-118	.00	.0	.0	.0	.0	.00	.00	.00		
LA 1083 ON	.00	.0	.0	.0	.0	.00	.00	.00		
ACALA SJ C-1	.00	.0	.0	.0	.0	.00	.00	.00		
Ga T 79-13	.00	.0	.0	.0	.0	.00	.00	.00		
STONEVILLE 1318	.00	.0	.0	.0	.0	.00	.00	.00		



1984 PIMA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	1079 A	3.51	40.2	12.8	203	1.33	.70	289	7.7	4.57
P-51	1023 AB	3.55	37.4	12.2	211	1.38	.71	294	7.8	4.33
P-53	1806 AB	3.40	36.9	12.8	221	1.39	.73	309	7.5	3.96
P 62	983 B	3.47	37.5	11.9	207	1.38	.71	302	7.2	3.99
P-58	938 BC	3.42	36.9	12.5	207	1.41	.72	287	7.1	3.97
P 63	889 C	3.52	40.2	11.8	213	1.36	.71	302	7.4	4.15

1984 PIMA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PIMA S-6	1.39	87.4	32.8	65.8	11.5	24.45	3.85	.89	12.6
P-51	1.43	88.8	35.9	66.7	11.1	24.53	3.75	.89	11.0
P-53	1.42	87.2	35.0	67.6	11.1	24.64	3.90	1.01	11.0
P 62	1.41	87.1	34.3	68.5	11.0	24.75	3.76	1.06	12.1
P-58	1.43	86.3	34.9	68.6	10.8	24.57	3.75	1.01	12.0
P 63	1.42	87.9	33.1	71.7	9.9	23.28	4.04	.96	11.0

1984 PIMA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL		LINT PCT		SEED INDEX	
P-51	3.55 A	PIMA S-6	40.2 A	PIMA S-6	12.8 A
P 63	3.52 AB	P 63	40.2 A	P-53	12.8 A
PIMA S-6	3.51 AB	P 62	37.5 B	P-58	12.5 B
P 62	3.47 AB	P-51	37.4 BC	P-51	12.2 C
P-58	3.42 AB	P-53	36.9 C	P 62	11.9 D
P-53	3.40 B	P-58	36.9 C	P 63	11.8 D
YARN TENACITY		FIBROGRAPH--2.5% S.L.		FIBROGRAPH--50% S.L.	
P-53	221 A	P-58	1.41 A	P-53	0.73 A
P 63	213 B	P-53	1.39 B	P-58	0.72 AB
P-51	211 BC	P-51	1.38 BC	P-51	0.71 AB
P-58	207 CD	P 62	1.38 BC	P 62	0.71 AB
P 62	207 CD	P 63	1.36 C	P 63	0.71 AB
PIMA S-6	203 D	PIMA S-6	1.33 D	PIMA S-6	0.70 B
STELOMETER - T1		STELOMETER - E1		MICRONAIRE	
P-53	309 A	P-51	7.8 A	PIMA S-6	4.57 A
P 62	302 AB	PIMA S-6	7.7 A	P-51	4.33 B
P 63	302 AB	P-53	7.5 AB	P 63	4.15 C
P-51	294 BC	P 63	7.4 AB	P 62	3.99 D
PIMA S-6	289 BC	P 62	7.2 B	P-58	3.97 D
P-58	287 C	P-58	7.1 B	P-53	3.96 D
UHM (INCHES)		UNIFORMITY (PERCENT)		TENACITY (G/TEX)	
P-51	1.43 A	P-51	88.8 A	P-51	35.9 A
P-58	1.43 A	P 63	87.9 A	P-53	35.0 AB
P-53	1.42 A	PIMA S-6	87.4 A	P-58	34.9 AB
P 63	1.42 A	P-53	87.2 A	P 62	34.3 BC
P 62	1.41 AB	P 62	87.1 A	P 63	33.1 CD
PIMA S-6	1.39 B	P-58	86.3 A	PIMA S-6	32.8 D



1984 PIMA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

COLORIMETER -RD

P 63	71.7 A
P-58	68.6 B
P 62	68.5 B
P-53	67.6 BC
P-51	66.7 CD
PIMA S-6	65.7 D

COLORIMETER - B

PIMA S-6	11.5 A
P-51	11.1 B
P-53	11.1 B
P 62	11.0 B
P-58	10.8 B
P 63	9.9 C

OIL (PERCENT)

P 62	24.75 A
P-53	24.64 A
P-58	24.57 A
P-51	24.53 A
PIMA S-6	24.45 A
P 63	23.28 B

NITROGEN (PERCENT)

P 63	4.04 A
P-53	3.90 B
PIMA S-6	3.85 B
P 62	3.76 C
P-51	3.75 C
P-58	3.75 C

FREE GOSSYPOL (PERCENT)

P 62	1.06 A
P-53	1.01 AB
P-58	1.01 AB
P 63	0.96 B
P-51	0.89 C
PIMA S-6	0.88 C

SEED GRADE

PIMA S-6	12.6 A
P 62	12.1 B
P-58	12.0 B
P-51	11.0 C
P-53	11.0 C
P 63	11.0 C

1984 PIMA REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING SALOME, MARANA, AND MARICOPA, ARIZ

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONA (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	1133 A	3.57	38.0	13.5	204	1.38	.71	298	7.9	4.67
P-53	1110 AB	3.55	35.0	13.3	220	1.42	.75	307	7.6	4.00
P-51	1092 AB	3.72	35.8	12.8	212	1.40	.73	292	7.8	4.55
P 63	1012 BC	3.55	38.6	12.3	214	1.39	.72	295	7.4	4.22
P 62	1008 BC	3.59	35.9	12.5	208	1.42	.73	293	7.2	4.07
P-58	959 C	3.57	35.1	13.1	205	1.45	.74	289	6.9	4.07

1984 PIMA REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING SALOME, MARANA, AND MARICOPA, ARIZ

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value		NITROGEN (percent)	FREE GOSSYPOL (percent)	
PIMA S-6	1.43	87.7	33.7	64.9	11.8	24.72	4.06	.82	12
P-53	1.47	88.5	35.3	66.2	11.3	24.48	4.07	.96	11
P-51	1.47	89.8	36.7	66.4	11.3	24.93	3.88	.83	11
P 63	1.45	89.2	33.3	71.3	10.2	23.86	4.18	.87	11
P 62	1.45	88.3	35.3	68.2	11.2	24.71	3.93	.96	12
P-58	1.48	88.0	36.3	67.4	10.7	24.79	3.89	.97	12



1984 PIMA REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING SAFFORD(EXPT. STA. AND CURTIS FARM), ARIZ; ELPASO, TEX; ANTHONY, N.MEX

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	1039 A	3.46	41.8	12.3	203	1.29	.69	291	7.6	4.50
P-51	971 A	3.43	38.6	11.8	210	1.36	.70	296	7.8	4.16
P 62	964 A	3.37	38.8	11.5	206	1.35	.69	310	7.3	3.94
P-53	928 AB	3.28	38.4	12.4	222	1.36	.71	311	7.4	3.93
P-58	923 AB	3.32	38.2	12.0	208	1.38	.70	286	7.3	3.90
P 63	796 B	3.50	41.5	11.5	213	1.35	.71	308	7.4	4.09

1984 PIMA REGIONAL COTTON VARIETY TEST  
SUBREGIONAL SUMMARY COMBINING SAFFORD(EXPT. STA. AND CURTIS FARM), ARIZ; ELPASO, TEX; ANTHONY, N.MEX

VARIETIES COMBINING LOCATIONS

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PIMA S-6	1.35	87.3	32.1	66.4	11.3	24.24	3.69	.94	12.5
P-51	1.40	86.6	35.3	66.9	11.0	24.23	3.66	.94	11.0
P 62	1.39	86.1	33.5	68.8	10.8	24.78	3.63	1.14	12.0
P-53	1.38	86.3	34.8	68.6	11.0	24.76	3.77	1.05	11.0
P-58	1.40	85.0	33.8	69.4	10.8	24.41	3.65	1.05	12.0
P 63	1.39	87.0	33.0	72.0	9.7	22.84	3.94	1.02	11.0

1984 PIHA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	(Reac)
MARICOPA, AZ	1155 A	3.61	36.3	12.8	209	1.43	.75	288	7.5	4.
EL PASO, TX	1074 AB	3.25	39.7	11.8	208	1.32	.68	294	7.5	4.
SAF (EXPT STA) AZ	1071 AB	3.57	39.6	12.0	217	1.38	.72	307	7.3	4.
SALOME, AZ	1006 B	3.54	37.0	13.0	214	1.42	.74	301	7.5	4.
MARANA, AR/CLARK	995 B	3.62	36.0	12.9	209	1.38	.70	292	7.4	4.
ANTHONY, N. MEX.	898 C	3.41	39.6	12.3	204	1.34	.69	299	7.8	4.
SAF, AZ (CURTIS)	704 D	3.34	39.3	11.6	212	1.35	.70	301	7.3	4.

1984 PIHA REGIONAL COTTON VARIETY TEST  
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grav
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
MARICOPA, AZ	1.49	90.2	35.1	65.5	10.9	25.03	4.12	.85	
EL PASO, TX	1.35	85.6	32.8	68.1	10.2	23.10	3.94	.82	
SAF (EXPT STA) AZ	1.42	87.4	34.0	68.9	11.3	25.16	3.60	1.16	
SALOME, AZ	1.46	88.8	36.1	69.3	11.1	23.81	4.14	1.02	
MARANA, AR/CLARK	1.42	86.8	34.2	67.3	11.3	24.90	3.74	.84	
ANTHONY, N. MEX.	1.36	85.5	33.0	68.8	10.5	25.02	3.70	.98	
SAF, AZ (CURTIS)	1.40	87.0	35.1	68.9	11.1	23.57	3.65	1.14	



1984 PIMA REGIONAL COTTON VARIETY TEST

EL PASO, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	1253 A	3.28	41.8	12.3	197	1.26	.66	284	7.7	4.35
P-51	1105 B	3.31	38.9	11.5	213	1.30	.68	295	7.8	4.30
P-53	1070 BC	3.11	38.4	12.4	219	1.34	.68	302	7.5	3.85
P 62	1055 CD	3.19	39.4	11.3	204	1.32	.67	295	7.5	3.90
P-58	1021 D	3.08	38.5	11.6	204	1.34	.68	284	7.3	3.85
P 63	941 E	3.53	41.1	11.7	210	1.34	.70	304	7.4	3.95

1984 PIMA REGIONAL COTTON VARIETY TEST

EL PASO, TX

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PIMA S-6	1.32	87.5	30.5	66.8	10.7	23.34	3.92	.70	12.0
P-51	1.39	88.0	34.0	66.0	10.4	23.25	3.85	.77	11.0
P-53	1.35	85.5	33.0	68.3	10.8	23.34	4.08	.80	11.0
P 62	1.33	83.5	32.5	68.5	10.2	23.50	3.88	.94	12.0
P-58	1.35	83.0	33.5	68.8	10.0	23.11	3.84	.80	12.0
P 63	1.38	86.0	33.5	70.5	8.9	22.05	4.07	.90	11.0

## 1984 PIMA REGIONAL COTTON VARIETY TEST

MARICOPA,AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Read
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
P-53	1245 A	3.54	35.0	13.1	219	1.43	.76	280	7.8	4.
P-51	1231 A	3.80	35.9	12.9	213	1.43	.76	285	7.8	4.
PIMA S-6	1175 AB	3.48	37.2	13.4	204	1.42	.72	298	7.6	4.
P 63	1162 AB	3.52	38.9	12.1	211	1.41	.76	295	7.4	4.
P 62	1095 AB	3.65	35.7	12.3	203	1.45	.76	293	7.5	4.
P-58	1024 B	3.66	34.9	13.1	202	1.45	.74	277	7.0	4.

## 1984 PIMA REGIONAL COTTON VARIETY TEST

MARICOPA,AZ

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		Seed Grade
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	
P-53	1.50	92.0	33.5	63.5	11.4	25.11	4.25	.92	1
P-51	1.51	93.0	36.5	64.8	11.1	25.46	4.01	.69	1
PIMA S-6	1.44	87.0	36.0	63.3	11.1	25.34	4.16	.77	1
P 63	1.51	91.5	33.0	69.5	10.3	23.84	4.29	.85	1
P 62	1.48	89.5	35.0	67.0	11.1	25.44	4.02	.97	1
P-58	1.48	88.0	36.5	65.3	10.5	25.03	4.01	.92	1



1984 PIMA REGIONAL COTTON VARIETY TEST

SAF(EXPT STA)AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
P-51	1207 A	3.65	39.1	11.9	212	1.41	.71	308	7.0	4.20
P 62	1154 AB	3.58	38.7	11.7	210	1.39	.71	311	7.2	3.95
P-58	1100 AB	3.57	38.2	12.4	221	1.42	.71	301	7.7	4.10
PIMA S-6	1080 ABC	3.61	42.0	11.9	219	1.32	.71	298	7.1	4.50
P-53	987 BC	3.45	38.0	12.6	228	1.39	.73	329	7.1	4.05
P 63	898 C	3.56	41.6	11.6	216	1.38	.73	295	7.7	4.15

1984 PIMA REGIONAL COTTON VARIETY TEST

SAF(EXPT STA)AZ

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
P-51	1.45	89.0	34.5	66.3	11.6	25.05	3.54	1.12	11.0
P 62	1.43	88.0	34.0	68.5	11.2	26.39	3.45	1.27	12.0
P-58	1.42	84.0	35.5	69.5	11.5	25.57	3.56	1.21	12.0
PIMA S-6	1.36	87.5	32.5	67.0	12.0	24.66	3.55	1.02	13.0
P-53	1.44	87.5	35.5	69.3	11.5	25.46	3.70	1.17	11.0
P 63	1.42	88.5	32.0	73.0	9.9	23.81	3.79	1.14	11.0

## 1984 PIMA REGIONAL COTTON VARIETY TEST

SALOME, AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reac)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	1182 A	3.67	39.5	13.5	206	1.36	.71	295	7.6	4.
P-53	1100 B	3.61	34.7	13.7	223	1.45	.76	327	8.0	4.
P-51	1024 B	3.66	35.9	12.8	212	1.40	.73	296	7.9	4.
P 62	930 C	3.44	36.9	12.4	217	1.43	.74	293	6.9	4.
P 63	906 C	3.44	39.4	12.3	218	1.40	.73	286	7.8	4.
P-58	896 C	3.45	35.4	13.1	211	1.47	.77	310	6.9	4.

## 1984 PIMA REGIONAL COTTON VARIETY TEST

SALOME, AZ

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			Seed Grac
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	
PIMA S-6	1.45	89.0	33.0	66.5	12.0	24.00	4.17	.98	1
P-53	1.45	86.5	37.5	68.5	11.5	24.08	4.23	1.10	1
P-51	1.47	89.5	38.0	67.3	11.5	23.84	4.01	1.03	1
P 62	1.49	91.5	36.0	69.3	11.1	23.43	4.08	.97	1
P 63	1.44	88.5	34.5	75.0	9.8	23.48	4.31	.96	1
P-58	1.50	88.0	37.5	69.3	10.6	24.05	4.04	1.07	1



1984 PIMA REGIONAL COTTON VARIETY TEST

ANTHONY, N.MEX.

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
							2.5Z S.L. (inches)	50Z S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
P-53	1088	A	3.37	39.0	12.9	215	1.35	.72	302	8.0	3.90
PIMA S-6	979	B	3.36	41.7	12.7	192	1.31	.70	284	8.0	4.50
P 62	869	C	3.32	38.6	11.8	197	1.33	.66	316	7.6	3.90
P-51	860	C	3.54	38.4	12.4	208	1.35	.67	299	8.5	4.15
P-58	850	C	3.27	38.2	12.3	201	1.36	.71	283	7.2	3.80
P 63	748	D	3.62	41.5	11.9	213	1.34	.71	311	7.6	4.15

1984 PIMA REGIONAL COTTON VARIETY TEST

ANTHONY, N.MEX.

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER Rd	HUNTER'S b value	OIL (percent)	Seed Data		
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)				NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
P-53	1.34	85.0	34.5	67.3	10.9	26.44	3.56	1.09	11.0
PIMA S-6	1.34	86.0	31.5	66.8	11.1	24.74	3.72	.93	12.0
P 62	1.37	85.0	32.5	69.5	10.5	25.37	3.65	1.11	12.0
P-51	1.36	84.0	36.5	67.3	10.5	24.66	3.74	.80	11.0
P-58	1.38	85.0	31.5	69.5	10.6	25.33	3.68	.96	12.0
P 63	1.39	88.0	31.5	72.5	9.5	23.58	3.86	.98	11.0

# 1984 PIMA REGIONAL COTTON VARIETY TEST

MARANA, AR/CLARK

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRO (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	1041 A	3.57	37.3	13.5	201	1.36	.71	271	8.5	4.
P-51	1020 AB	3.69	35.6	12.8	211	1.38	.70	294	7.8	4.
P 62	999 ABC	3.69	35.1	12.7	205	1.40	.70	293	7.2	3.
P-53	984 BC	3.50	35.3	13.1	219	1.39	.73	314	7.1	3.
P 63	968 C	3.70	37.6	12.4	213	1.35	.67	305	6.9	4.
P-58	958 C	3.59	35.0	13.1	203	1.42	.72	279	6.9	3.

# 1984 PIMA REGIONAL COTTON VARIETY TEST

MARANA, AR/CLARK

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PIMA S-6	1.40	87.0	32.0	65.0	12.2	24.83	3.85	.70	1
P-51	1.44	87.0	35.5	67.3	11.2	25.49	3.62	.79	1
P 62	1.38	84.0	35.0	68.3	11.5	25.27	3.67	.95	1
P-53	1.45	87.0	35.0	66.5	11.1	24.26	3.73	.88	1
P 63	1.41	87.5	32.5	69.3	10.5	24.26	3.95	.80	1
P-58	1.46	88.0	35.0	67.8	11.1	25.29	3.62	.91	1



## 1984 PIMA REGIONAL COTTON VARIETY TEST

SAF,AZ(CURTIS)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	DIGITAL FIBROGRAPH		STELOMETER		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (PERCENT)	
PIMA S-6	843 A	3.60	41.6	12.5	204	1.28	.67	297	7.7	4.65
P 62	777 AB	3.39	38.3	11.3	213	1.36	.71	317	7.0	4.00
P-58	720 B	3.35	37.8	11.8	208	1.42	.70	278	7.2	3.85
P-51	712 B	3.23	38.2	11.2	209	1.35	.72	282	8.0	4.00
P 63	597 C	3.28	41.6	10.9	215	1.34	.71	322	7.0	4.10
P-53	575 C	3.19	38.1	11.8	226	1.36	.70	313	7.3	3.90

## 1984 PIMA REGIONAL COTTON VARIETY TEST

SAF,AZ(CURTIS)

VARIETY	HIGH-VOLUME INSTRUMENT			COLORIMETER		Seed Data			
	UHM (inches)	UNIFORMITY (PERCENT)	TENACITY (g/tex)	Rd	HUNTER'S b value	OIL (percent)	NITROGEN (percent)	FREE GOSSYPOL (percent)	Seed Grade
PIMA S-6	1.39	88.0	34.0	65.0	11.5	24.22	3.56	1.09	13.0
P 62	1.42	88.0	35.0	68.8	11.2	23.88	3.54	1.24	12.0
P-58	1.44	88.0	34.5	70.0	11.2	23.63	3.52	1.23	12.0
P-51	1.39	85.5	36.0	68.0	11.4	23.98	3.50	1.07	11.0
P 63	1.39	85.5	35.0	72.0	10.5	21.93	4.02	1.07	11.0
P-53	1.39	87.0	36.0	69.8	10.9	23.82	3.73	1.13	11.0

1984 COMBED-YARN TEST

MARICOPA, AZ

TEST	VARIETY		
	P51	P53	P58
Classer's designation:			
Grade	8	7	9
Staple: 32's inch	44	48	46
Yarn tenacity, cN/tex:			
11.8-tex, combed	176	190	181
7.4-tex, combed	150	161	158
Yarn appearance index	115	105	90
Yarn imperfections:			
11.8-tex, combed	71	101	154
7.4-tex, combed	245	263	391
Waste, percent:			
Picker and card	16.79	15.26	17.21
Comber	13.49	14.26	15.74
	P62	P63	Pima S-6
Classer's designation:			
Grade	6	6	7
Staple: 32's inch	46	44	44
Yarn tenacity, cN/tex:			
11.8-tex, combed	176	179	174
7.4-tex, combed	154	154	146
Yarn appearance index	110	110	110
Yarn imperfections:			
11.8-tex, combed	115	123	77
7.4-tex, combed	323	269	173
Waste, percent:			
Picker and card	14.79	14.81	13.46
Comber	14.41	13.90	12.77



## ACKNOWLEDGMENTS

The success of the National Cotton Variety Testing Program results from the interest and diligence of many workers who conducted the tests, processed the fiber samples, tabulated the information, and analyzed the data. The following were primarily responsible for furnishing field data and providing samples:

Alabama—W. C. Johnson

Arizona—C. V. Feaster, W. D. Fisher

Arkansas—C. W. Smith

California—D. M. Bassett

Georgia—S. H. Baker, J. B. Weaver, Jr.

Louisiana—D. J. Boquet, W. D. Caldwell, B. B. Holoubek, D. M. Walker

Mississippi—R. R. Bridge, W. R. Meredith, Jr.

Missouri—W. P. Sappenfield

New Mexico—C. E. Barnes, N. R. Malm

North Carolina—J. A. Lee

Oklahoma—L. M. Verhalen, B. Greenhagen, Rhea Foraker

South Carolina—T. W. Culp, J. B. Pitner

Texas—L. E. Clark, R. A. Creelman, J. R. Gannaway, G. A. Niles, L. Reyes,  
Darwin Anderson

Tennessee—P. E. Hoskinson

The interest and cooperation of the commercial cottonseed firms of the United States are acknowledged. For the most part, seed for the regional varieties were contributed by commercial firms. Seed of varieties used as national standards were supplied by the following organizations: Acala SJC-1--California Planting Cotton Seed Distributors, Bakersfield, CA; Paymaster 145—Cargill Research, Plainview, TX; McNair 235--Northrup King Co., Leland, MS; and Stoneville 213—Stoneville Pedigreed Seed Co., Stoneville, MS.



JOINT COTTON BREEDING POLICY COMMITTEE

(As of January 1985)

R. F. Barnes, U. S. Deptment of Agriculture, New Orleans, LA  
K. Jones, Delta and Pine Land Co., Scott, MS  
A. G. Jordan, National Cotton Council of America, Memphis, TN  
P. A. Miller, U. S. Department of Agriculture, Beltsville, MD  
W. K. Porter, Jr., Mississippi Agricultural and Forestry Experiment Station,  
Mississippi State, MS  
K. W. Tipton, Louisiana Agricultural Experiment Station, Baton Rouge, LA  
D. T. Smith, Texas Agricultural Experiment Station, College Station, TX  
H. W. Webb, Coker's Pedigreed Seed Company, Hartsville, SC

NATIONAL COTTON VARIETY TESTING COMMITTEE

(As of January 1985)

D. M. Bassett, U. S. Cotton Research Station, Shafter, CA  
R. R. Bridge, Delta Branch Experiment Station, Stoneville, MS  
H. B. Cooper, Jr., California Planting Cotton Seed Distributors, Shafter, CA  
E. C. Ewing, Jr., Delta and Pine Land Co., Scott, MS (secretary)  
J. R. Gannaway, Texas Agricultural Experiment Station, Lubbock, TX  
D. C. Hess, Cargill Research, Plainview, TX  
P. E. Hoskinson, West Tennessee Agricultural Experiment Station, Jackson, TN  
N. R. Malm, New Mexico Agricultural Experiment Station, Las Cruces, NM  
C. W. Manning, Stoneville Pedigreed Seed Co., Stoneville, MS  
D. Markarian, San Joaquin Valley Continuous Variety Testing Committee,  
Bakersfield, CA  
W. R. Meredith, Jr., U. S. Department of Agriculture, Stoneville, MS  
P. A. Miller, U. S. Department of Agriculture, Beltsville, MD  
R. J. Miravalle, U. S. Department of Agriculture, New Orleans, LA  
G. A. Niles, Texas Agricultural Experiment Station, College Station, TX  
(chairman)  
W. P. Sappenfield, University of Missouri, Delta Center, Portageville, MO  
E. L. Turcotte, U. S. Department of Agriculture, Cotton Research Center,  
Phoenix, AZ  
H. W. Webb, Coker's Pedigreed Seed Co., Hartsville, SC





